

**2019**

# **CENTRAL REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE**

**Data reported through  
June 30, 2020**

**CENTER FOR HIV  
SURVEILLANCE,  
EPIDEMIOLOGY AND  
EVALUATION**

Infectious Disease Prevention and  
Health Services Bureau  
Prevention and Health Promotion  
Administration



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This report was prepared by the following CHSEE staff: Alyssa Arey, Morgan Boyer, James Carrier, Colin Flynn, Molly Gribbin, Trevor Hsu, Amber Lee, Michelle Ryan, and Jami Stockdale.

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## On the Web

<https://phpa.health.maryland.gov/OIDEOR/CHSE/SiteAssets/Pages/statistics/Central-Region-Annual-HIV-Epidemiological-Profile-2019>

## Additional Information and Reporting Instructions

<https://phpa.health.maryland.gov/OIDEOR/CHSE/pages/Home.aspx>

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# Table of Contents

<b>Section I – Summary of Analyses and Technical Notes .....</b>	<b>5</b>
<b>Section II – Trends 1985-2019.....</b>	<b>9</b>
Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020.....	9
Figure 2 – Trends in People Living with Diagnosed HIV, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020 .....	10
Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, Among Current Residents, 2010-2019, Reported through June 30, 2020 .....	11
Figure 4 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2019, Reported through June 30, 2020 .....	12
Figure 5 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2019, Reported through June 30, 2020 .....	14
Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2019, Reported through June 30, 2020 .....	16
Figure 7 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2019, Reported through June 30, 2020 .....	18
<b>Section III – Continuum of Care Cascades.....</b>	<b>20</b>
Figure 8 – Prevalence-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Central Region Residents Aged 13+, Reported through June 30, 2020 .....	20
Figure 9 – Diagnosis-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Central Region Residents Aged 13+, Reported through June 30, 2020 .....	21
<b>Section IV – By Jurisdiction.....</b>	<b>22</b>
Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, Among People Aged 13+ During 2019, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020 .....	22
Table 2 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020.....	22
Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2020 .....	22
Table 4 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020.....	23
Table 5 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020 .....	23
<b>Section V – By Age.....</b>	<b>24</b>
Table 6 – Reported HIV Diagnoses During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2020.....	24
Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020.....	24
Table 8 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020.....	24
Table 9 – Viral Load Test Results During 2019 for People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020 .....	25
<b>Section VI – By Demographics .....</b>	<b>26</b>

Table 10 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020 .....	26
Table 11 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020.....	27
Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020 .....	28
Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020 .....	29
Table 14 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020 .....	30
Table 15 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020 .....	31
Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020.....	32
Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020.....	33
<b>Section VII – By HIV Exposure Category.....</b>	<b>34</b>
Table 18 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020.....	34
Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020 .....	35
Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2019, and Reported through June 30, 2020 ....	36
Table 21 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020 .....	37
Table 22 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020 .....	37
<b>Section VIII – Disease Progression and Mortality .....</b>	<b>38</b>
Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2018, Reported through June 30, 2020 .....	38
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2018, Reported through June 30, 2020 .....	40
<b>Section IX – Pediatrics .....</b>	<b>42</b>
Figure 12 – Trends in Reported HIV Diagnoses Among People Aged <13, 1985-2019, Reported through June 30, 2020 .....	42
Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020 .....	43
Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020 .....	43
<b>Glossary of Terms.....</b>	<b>44</b>

## Section I – Summary of Analyses and Technical Notes

### Highlights of Analyses

The Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports attempt to summarize information about the HIV epidemic in Maryland.

All rates are per 100,000 population.

#### HIV Diagnoses

During 2019, there were 403 reported HIV diagnoses in the Central Region. The Central Region includes Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. Data presented below describe HIV diagnoses in the Central Region among people age 13 years and older, during 2019.

- Geographic distribution: Baltimore City accounted for the highest number (200, 49.6%) and highest rate (39.7) of HIV diagnoses.
- Age: Persons aged 20-39 years accounted for the highest number (247, 61.3%) of HIV diagnoses. The highest rate was among 20-29-year-olds (39.9).
- Sex at Birth: Males accounted for the highest number (288, 71.5%) of HIV diagnoses. The rate among males was 26.1 and 9.5 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (301, 74.7%) and the highest rate (44.1) of HIV diagnoses.
- Exposure Category: Male-to-male sexual contact accounted for the highest number (207, 51.3%) of diagnoses.

#### People living with Diagnosed HIV

At the end of 2019, there were 17,140 people living with diagnosed HIV in the Central Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Central Region.

- Geographic distribution: Baltimore City accounted for the highest number (10,600, 61.8%) of people living with diagnosed HIV, as well as the highest rate (2,102.1).
- Age: Persons aged 50+ years accounted for the highest number (9,563, 55.7%) of people living with diagnosed HIV. The highest rate was among 50-59-year-olds (1,437.1).
- Sex at Birth: Males accounted for the highest number (11,181, 65.2%) of people living with diagnosed HIV. The rate among males was 1,012.6 and 490.9 among females.
- Race/Ethnicity: Non-Hispanic Blacks accounted for the highest number (13,061, 76.2%) of the people living with diagnosed HIV, as well as the highest rate (1,915.4).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (6,076, 35.5%) of the total people living with diagnosed HIV.

#### Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Central Region, it is estimated that 89.2% have been diagnosed, while an estimated 2,075 people with HIV in the Central Region remain undiagnosed.
- Linked to care: During 2019, 86.8% of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 81.8% were retained in care during 2019.
- Viral suppression: In 2019, 70.1% of people living with diagnosed HIV achieved viral suppression.

## Technical Notes

### HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with HIV be reported by name to the Maryland Department of Health. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

### Report Changes

In order to be responsive to changing data needs, the following updates have been made to this report:

- The Background Information section has been replaced with the Summary of Analyses and Technical Notes section.
- Tables describing new HIV diagnoses by geography have been restructured. All new HIV and AIDS diagnoses will appear in Table 1. All laboratory data and outcomes for new HIV diagnoses will be described in Table 2. In the county level reports, only ZIP codes with at least five new HIV diagnoses during the specified year will be included in tables describing laboratory data and outcomes.
- Tables describing people living with diagnosed HIV by sex at birth and race/ethnicity have been added to the demographics section (Section VI).
- Mean years from HIV to AIDS diagnosis and the percentage of late HIV diagnoses among AIDS diagnoses is no longer presented in tables. Aggregate disease progression data by year is presented in Figure 10.

- The population pyramids figure describing people living with diagnosed HIV by race/ethnicity, sex at birth, and age is no longer included in this report.
- The treemap figure presenting data by sex at birth, race/ethnicity, and exposure category is no longer included in this report.

### Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are only available for people that have been diagnosed with HIV by a health care provider, were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2019, are receiving medical care (often only at facilities in Maryland), and only includes information that has been reported to the health department.

Data presented were reported to the Maryland Department of Health through June 30, 2020. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2019.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

#### New HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.8 percent in the United States.<sup>1</sup> Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.8 percent in 2018.

<sup>1</sup>Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2014–2018. HIV Surveillance Supplemental Report 2020;25(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2020. Accessed May 2020.

### AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent.

### Mortality

People are assumed to be alive unless reported as deceased to the Maryland Department of Health. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting.

### Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

### Viral Suppression

Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

### Geographic Distribution

Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Estimates describing the number of people living with diagnosed HIV use current residence. Current residence estimates are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009.

In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

### Residents of Correctional Facilities

People living with diagnosed HIV who were reported to be residing in a state or federal prison will be described for Maryland only. For surveillance purposes, pre- or post-incarceration residential addresses are used for people living with diagnosed HIV who were incarcerated in local jails and detention centers.

### Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one's internal understanding of one's own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

### Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity.

### Country of Birth

The completeness of reporting a person's country of birth is variable in surveillance data. Not all agencies collect or have complete data on nativity. In addition, some individuals may immigrate to the U.S. with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

### HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

### Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2020.

Population data by sex, age, and race/ethnicity are from the July 1, 2019 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2018 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

### Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

### Data Suppression

In order to protect the confidentiality of people living with diagnosed HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people.

Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

### Multiple Imputation

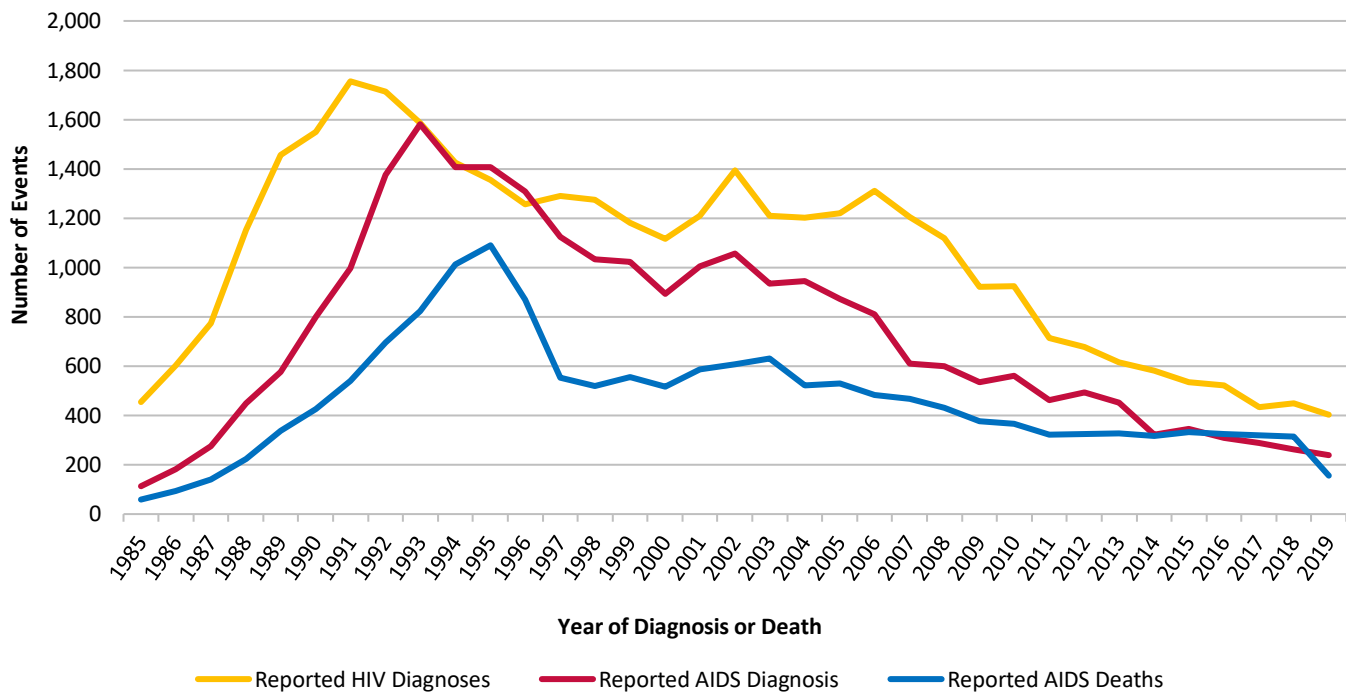
Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.



## Section II – Trends 1985-2019

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2019, as Reported through June 30, 2020

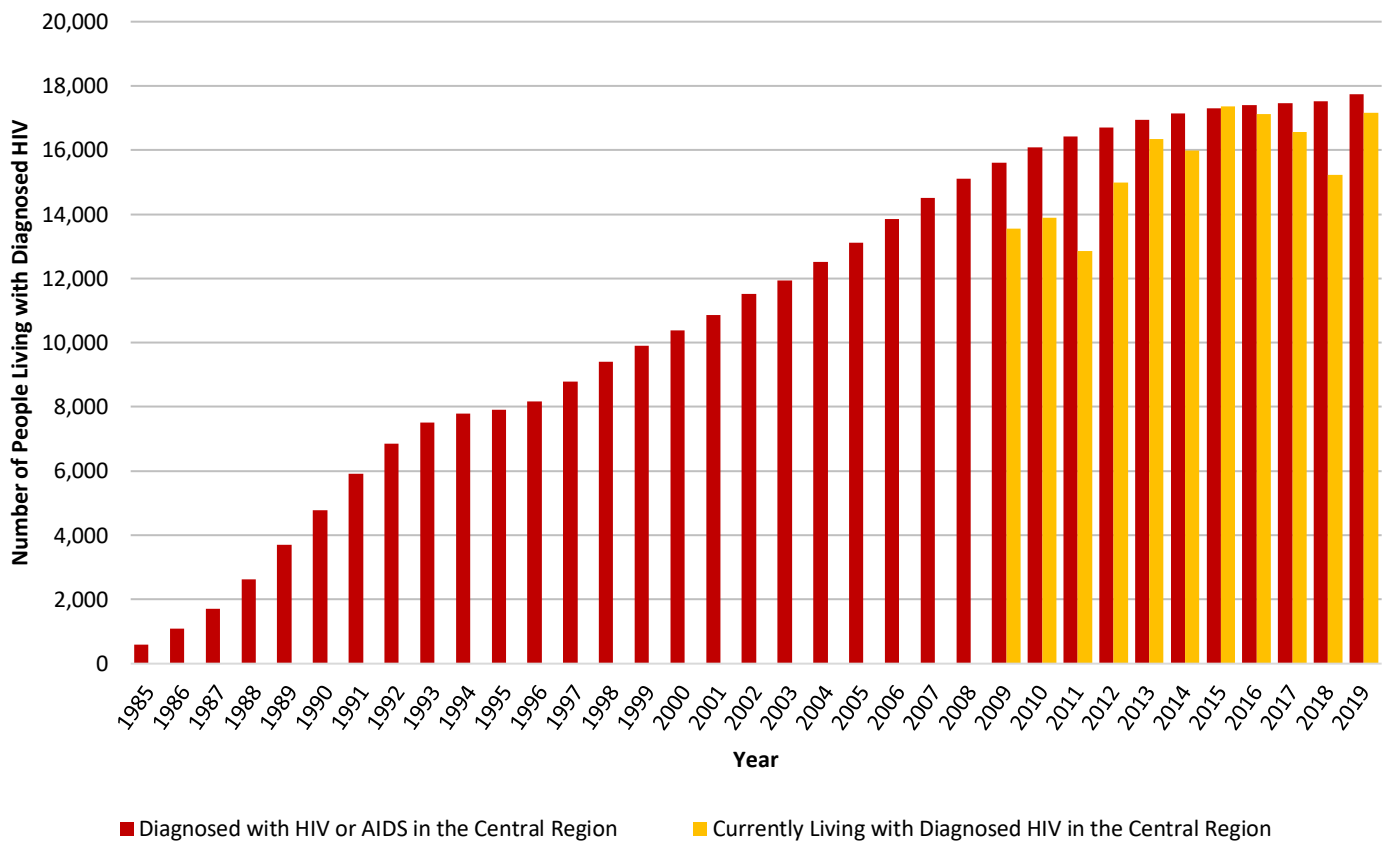


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	238	77	35	2002	1,393	1,056	608
1985	455	113	59	2003	1,209	934	631
1986	602	181	94	2004	1,203	945	522
1987	773	275	140	2005	1,219	873	529
1988	1,152	449	224	2006	1,311	809	482
1989	1,456	576	337	2007	1,204	610	468
1990	1,550	800	427	2008	1,118	601	430
1991	1,755	998	541	2009	921	534	377
1992	1,714	1,376	696	2010	923	561	366
1993	1,586	1,581	823	2011	714	463	323
1994	1,426	1,406	1,012	2012	677	493	325
1995	1,356	1,408	1,090	2013	615	453	328
1996	1,257	1,308	871	2014	582	322	316
1997	1,290	1,125	553	2015	535	345	332
1998	1,274	1,032	520	2016	522	308	324
1999	1,182	1,024	555	2017	433	289	320
2000	1,116	894	517	2018*	448	263	315
2001	1,209	1,005	586	2019*	403	238	156
				<b>Total</b>	<b>36,821</b>	<b>25,725</b>	<b>16,232</b>

\*2018-2019 reported AIDS deaths are preliminary

**Figure 2 – Trends in People Living with Diagnosed HIV, Among Residents at Diagnosis, 1985-2019, Reported through June 30, 2020**

People Living with Diagnosed HIV in the Central Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Central Region and/or People who are Currently Living with Diagnosed HIV in the Central Region) from 1985 through 2019, as Reported through June 30, 2020

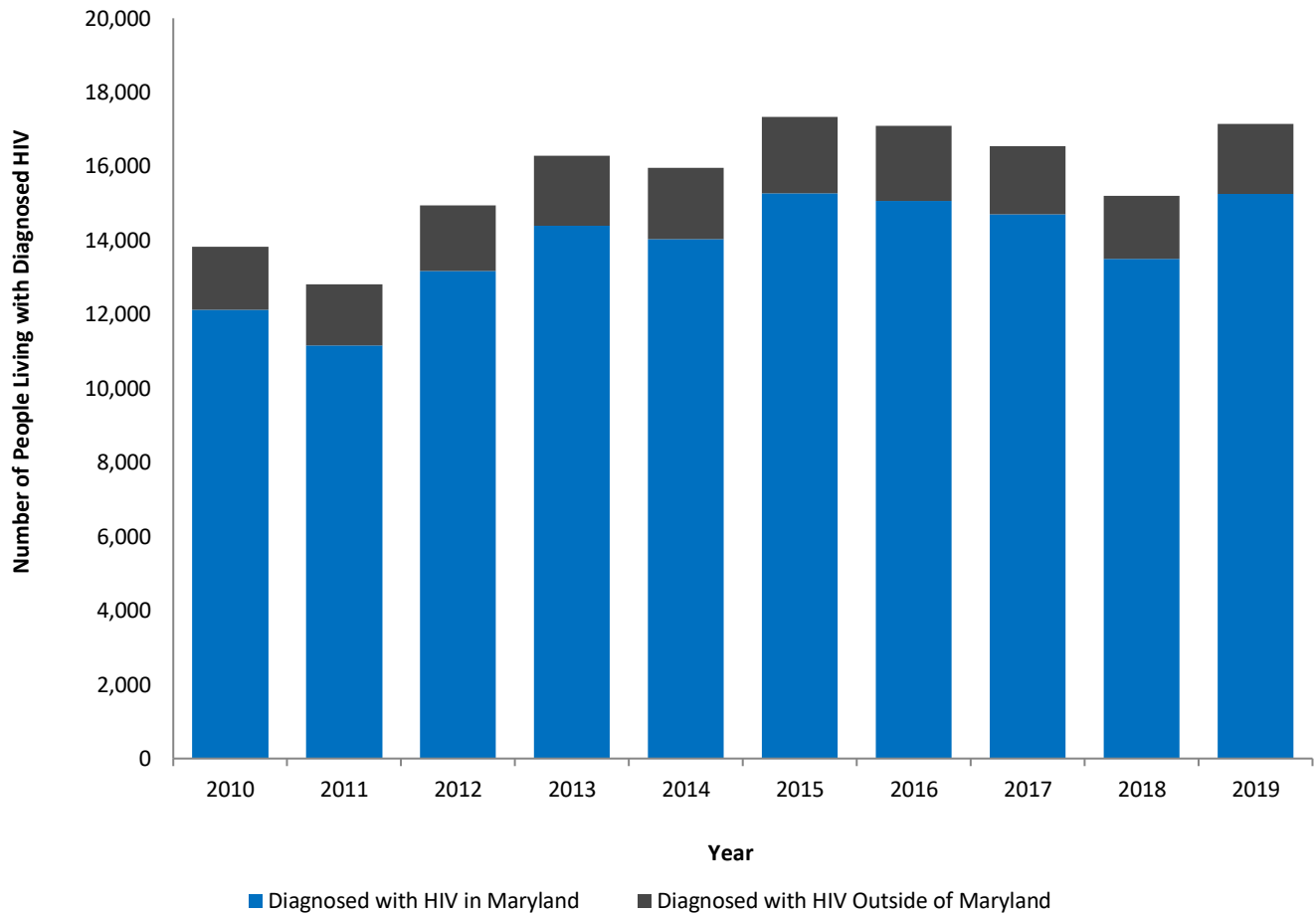


People Living with Diagnosed HIV				People Living with Diagnosed HIV			
Year	Diagnosed with HIV or AIDS in the Central Region	Current Residents		Year	Diagnosed with HIV or AIDS in the Central Region	Current Residents	
1985	592	--		2003	11,943	--	
1986	1,091	--		2004	12,515	--	
1987	1,718	--		2005	13,120	--	
1988	2,628	--		2006	13,861	--	
1989	3,697	--		2007	14,516	--	
1990	4,782	--		2008	15,117	--	
1991	5,918	--		2009	11,943		
1992	6,859	--		2010	15,598	13,556	
1993	7,515	--		2011	16,090	13,899	
1994	7,789	--		2012	16,422	12,847	
1995	7,916	--		2013	16,712	14,994	
1996	8,178	--		2014	16,950	16,335	
1997	8,785	--		2015	17,140	15,978	
1998	9,406	--		2016	17,300	17,362	
1999	9,912	--		2017	17,409	17,124	
2000	10,373	--		2018	17,469	16,567	
2001	10,857	--		2019	17,518	15,223	
2002	11,520	--					

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

### Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, Among Current Residents, 2010-2019, Reported through June 30, 2020

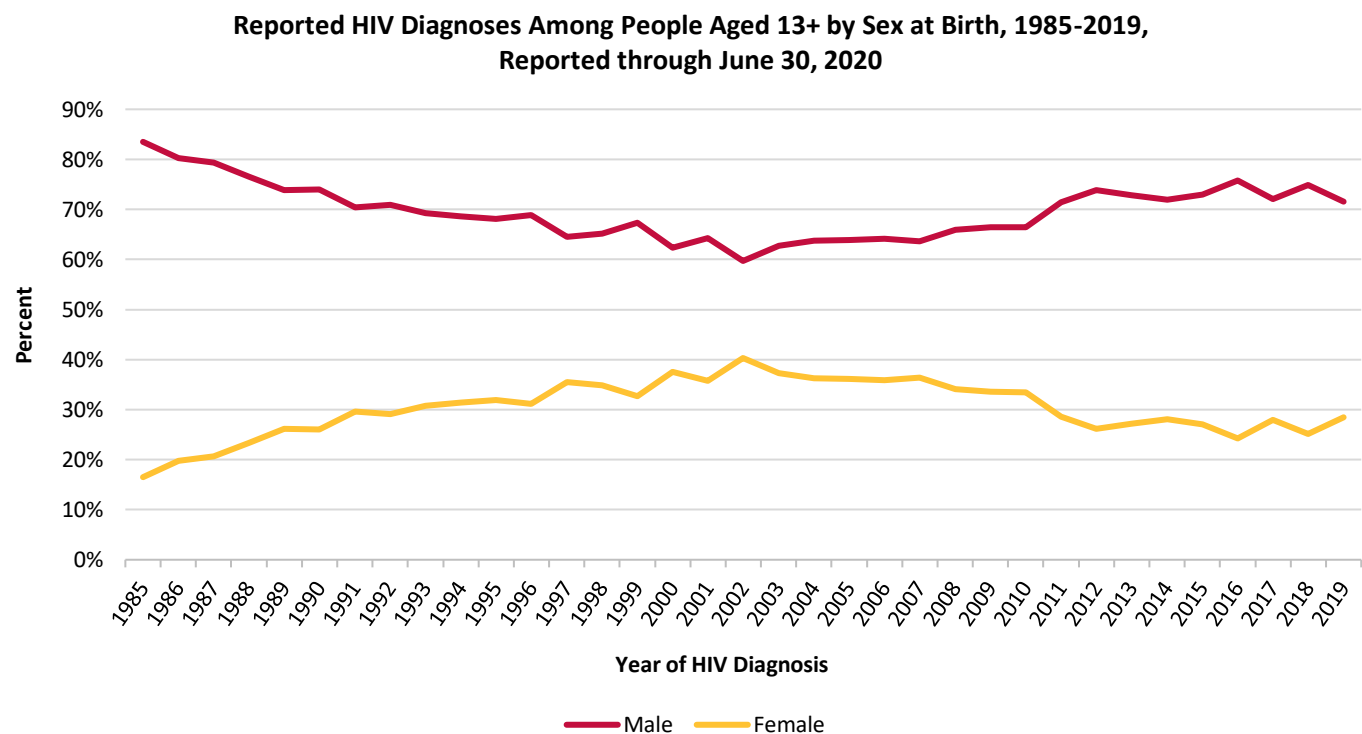
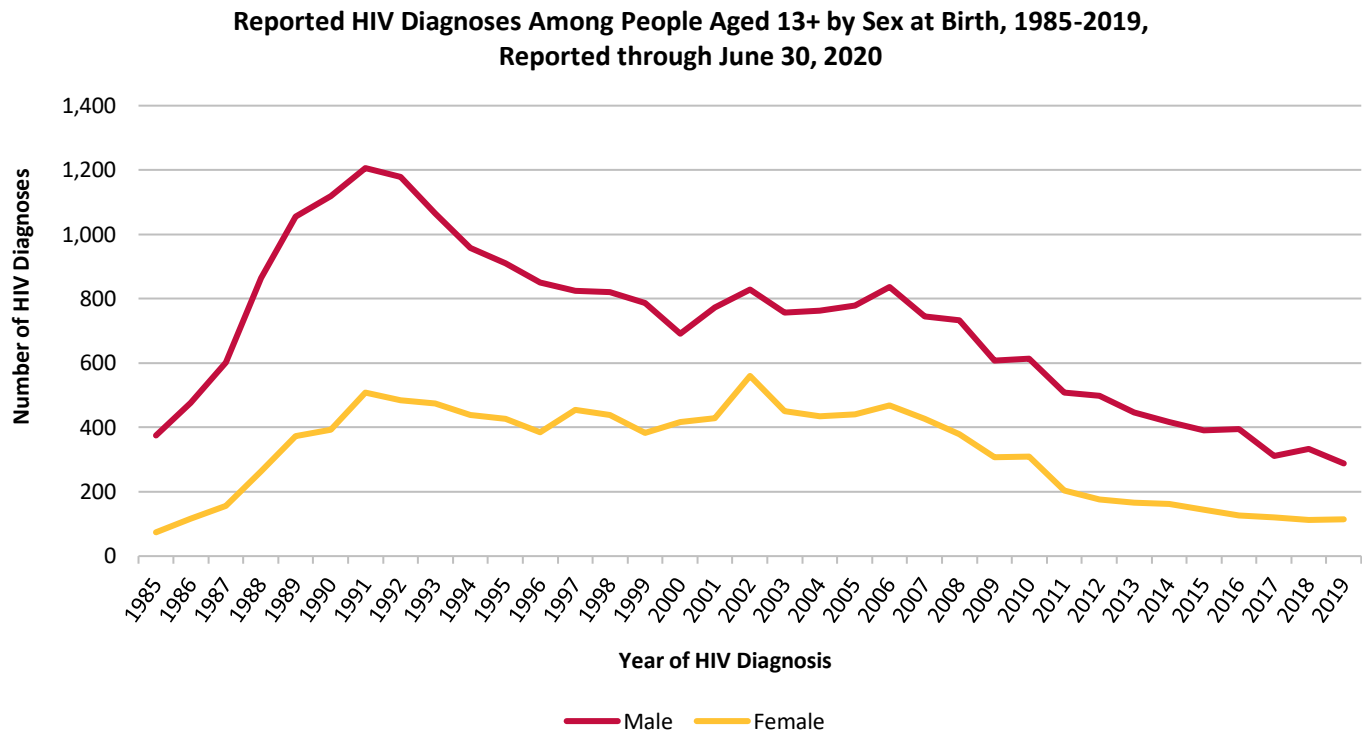
People Living with Diagnosed HIV in the Central Region and Not Reported to have Died as of December 31<sup>st</sup> of Each Year from 2010 through 2019, as Reported through June 30, 2020



Year	Population Age 13+	Central Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2010	2,234,257	12,128	1,697	13,825	618.8
2011	2,251,160	11,164	1,642	12,806	568.9
2012	2,270,120	13,165	1,779	14,944	658.3
2013	2,283,426	14,397	1,894	16,291	713.4
2014	2,295,131	14,031	1,919	15,950	694.9
2015	2,305,336	15,271	2,068	17,339	752.1
2016	2,309,950	15,072	2,029	17,101	740.3
2017	2,314,817	14,704	1,837	16,541	714.6
2018	2,317,460	13,497	1,708	15,205	656.1
2019	2,318,157	15,260	1,880	17,140	739.4

## Figure 4 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2019, Reported through June 30, 2020

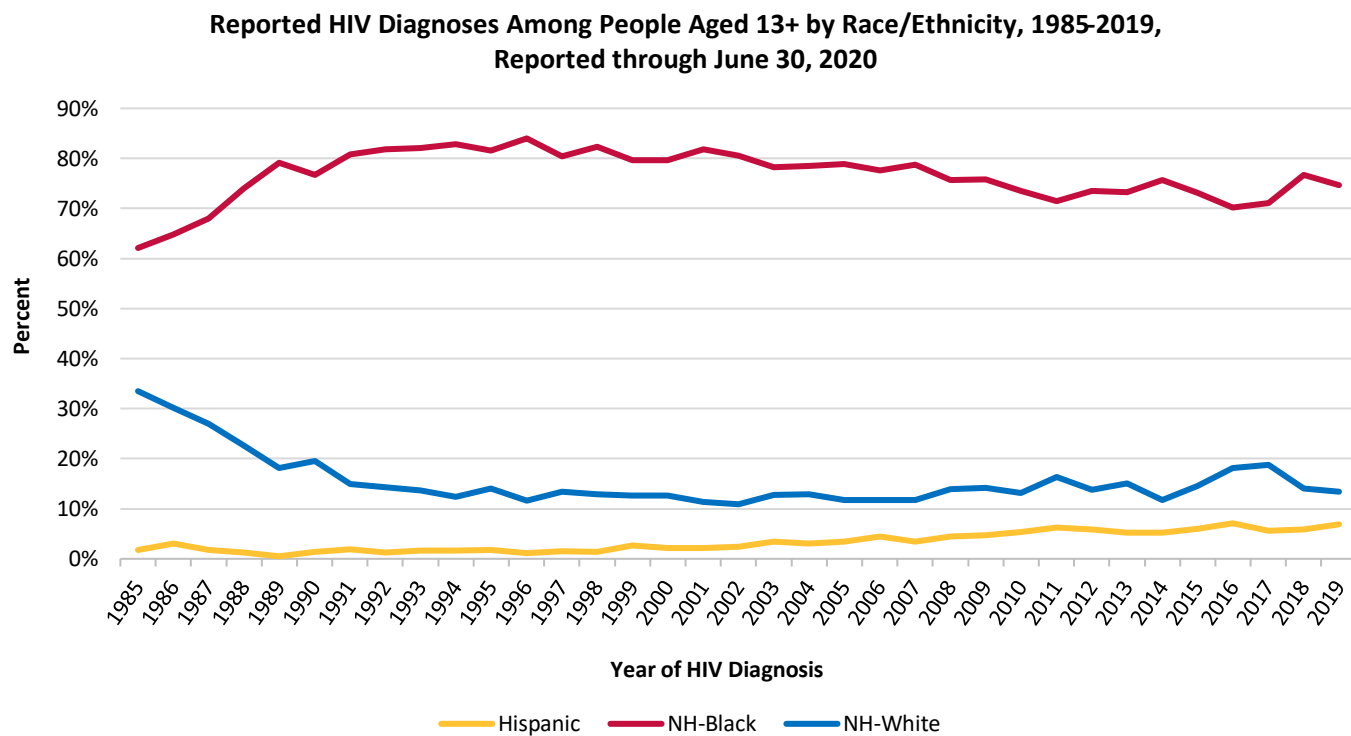
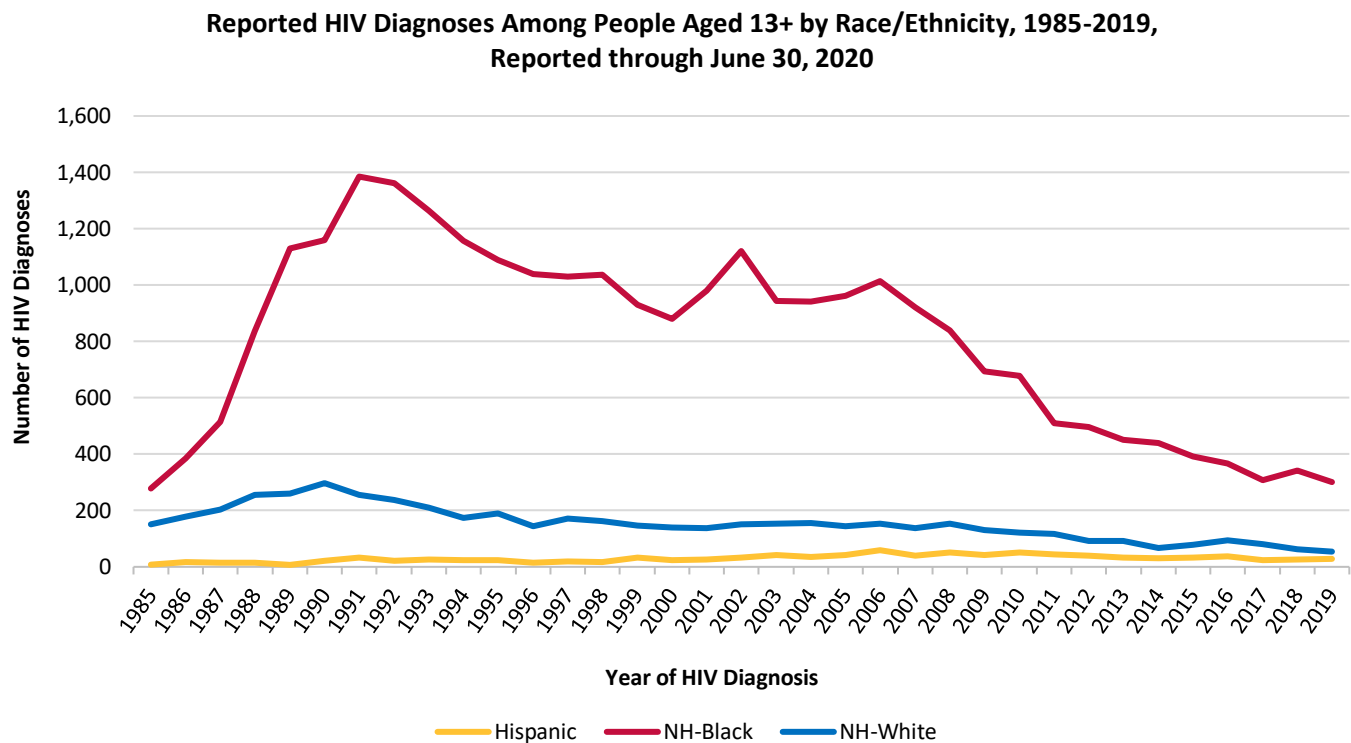
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	236	205	86.9%	31	13.1%
1985	448	374	83.5%	74	16.5%
1986	594	477	80.3%	117	19.7%
1987	757	601	79.4%	156	20.6%
1988	1,129	865	76.6%	264	23.4%
1989	1,427	1,055	73.9%	372	26.1%
1990	1,512	1,119	74.0%	393	26.0%
1991	1,714	1,206	70.4%	508	29.6%
1992	1,664	1,179	70.9%	485	29.1%
1993	1,540	1,065	69.2%	475	30.8%
1994	1,396	957	68.6%	439	31.4%
1995	1,337	911	68.1%	426	31.9%
1996	1,236	851	68.9%	385	31.1%
1997	1,280	825	64.5%	455	35.5%
1998	1,260	821	65.2%	439	34.8%
1999	1,168	786	67.3%	382	32.7%
2000	1,107	691	62.4%	416	37.6%
2001	1,200	772	64.3%	428	35.7%
2002	1,389	829	59.7%	560	40.3%
2003	1,207	757	62.7%	450	37.3%
2004	1,198	763	63.7%	435	36.3%
2005	1,218	778	63.9%	440	36.1%
2006	1,306	837	64.1%	469	35.9%
2007	1,172	745	63.6%	427	36.4%
2008	1,110	732	65.9%	378	34.1%
2009	915	608	66.4%	307	33.6%
2010	922	613	66.5%	309	33.5%
2011	713	509	71.4%	204	28.6%
2012	675	498	73.8%	177	26.2%
2013	614	447	72.8%	167	27.2%
2014	580	417	71.9%	163	28.1%
2015	535	390	72.9%	145	27.1%
2016	521	395	75.8%	126	24.2%
2017	432	311	72.0%	121	28.0%
2018	446	334	74.9%	112	25.1%
2019	403	288	71.5%	115	28.5%
Total	36,361	25,011	68.8%	11,350	31.2%

**Figure 5 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2019, Reported through June 30, 2020**

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020

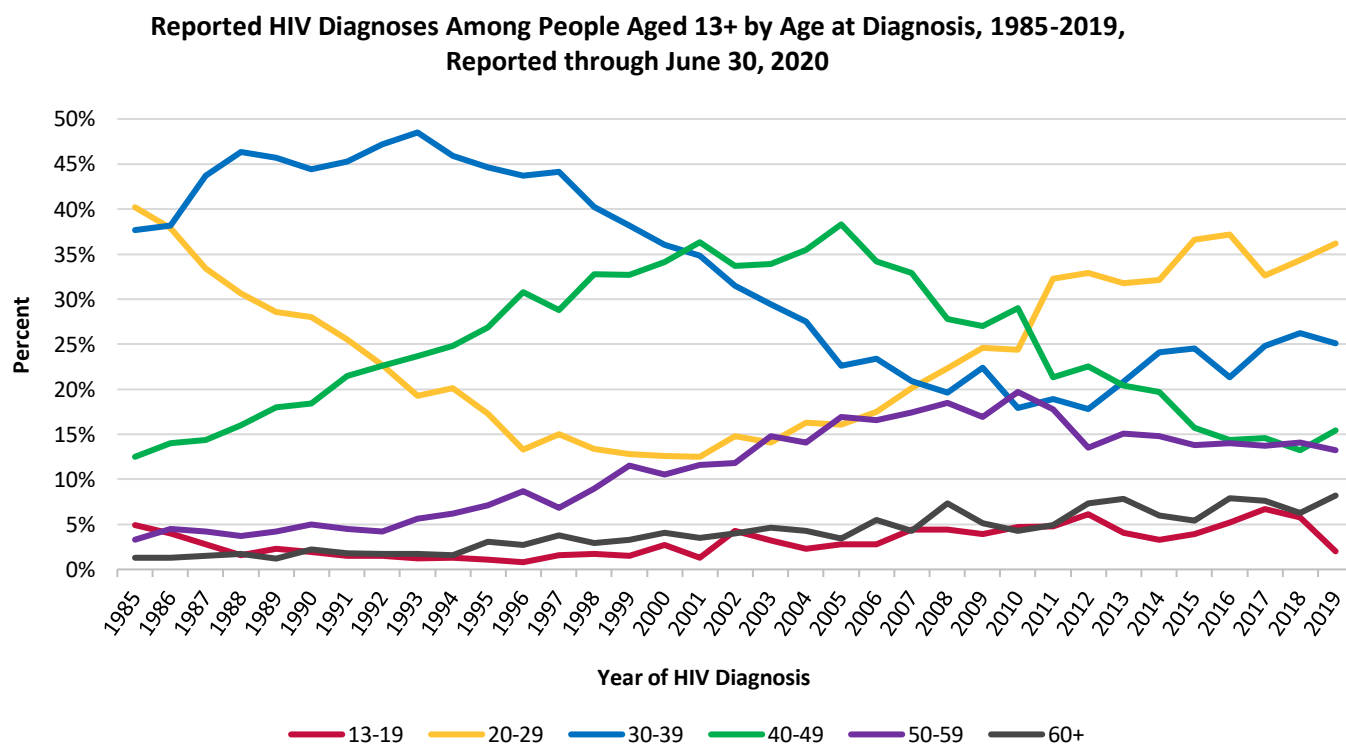
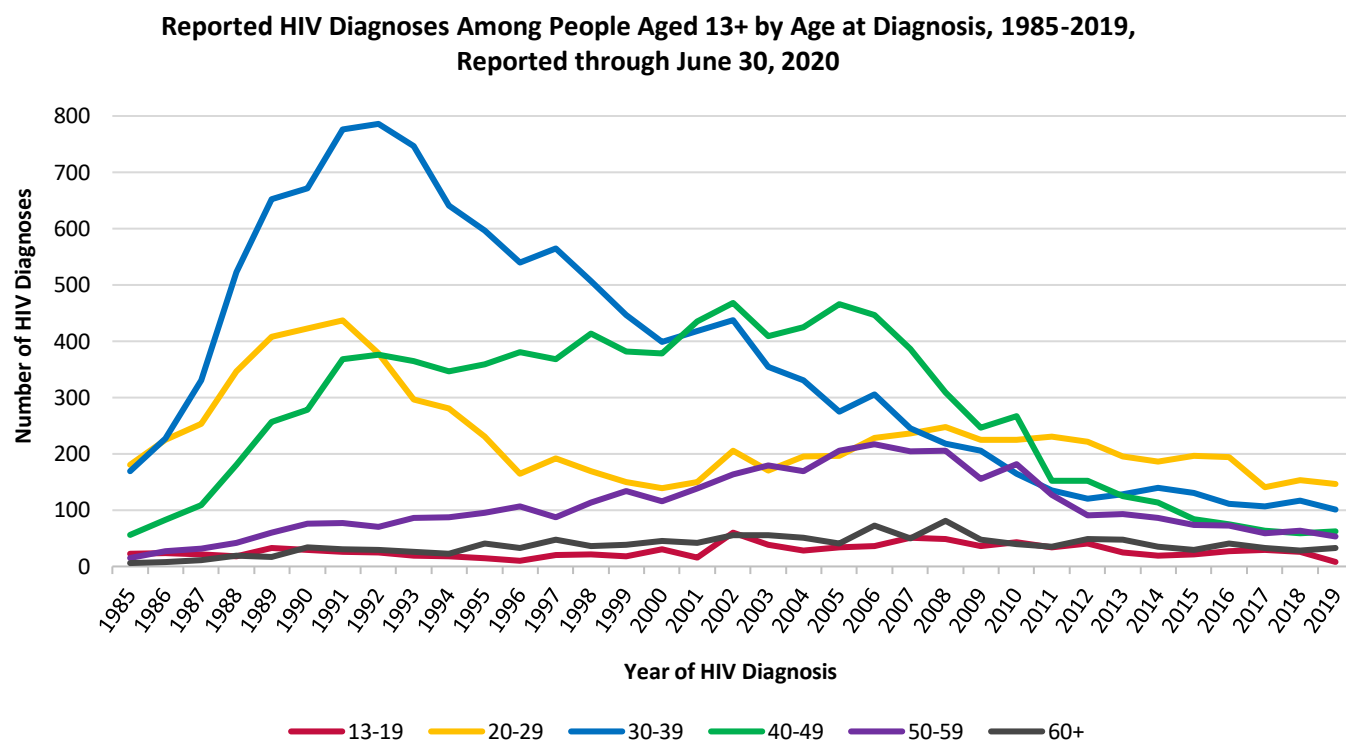


Non-Hispanic Other race not shown

Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	236	7	3.0%	128	54.2%	94	39.8%	7	3.0%
1985	448	8	1.8%	278	62.1%	150	33.5%	12	2.7%
1986	594	18	3.0%	385	64.8%	179	30.1%	12	2.0%
1987	757	14	1.8%	515	68.0%	204	26.9%	24	3.2%
1988	1,129	14	1.2%	836	74.0%	255	22.6%	24	2.1%
1989	1,427	7	0.5%	1,129	79.1%	259	18.1%	32	2.2%
1990	1,512	21	1.4%	1,159	76.7%	297	19.6%	35	2.3%
1991	1,714	33	1.9%	1,385	80.8%	256	14.9%	40	2.3%
1992	1,664	21	1.3%	1,361	81.8%	238	14.3%	44	2.6%
1993	1,540	26	1.7%	1,264	82.1%	209	13.6%	41	2.7%
1994	1,396	23	1.6%	1,157	82.9%	173	12.4%	43	3.1%
1995	1,337	24	1.8%	1,090	81.5%	189	14.1%	34	2.5%
1996	1,236	14	1.1%	1,038	84.0%	143	11.6%	41	3.3%
1997	1,280	19	1.5%	1,029	80.4%	171	13.4%	61	4.8%
1998	1,260	18	1.4%	1,037	82.3%	162	12.9%	43	3.4%
1999	1,168	32	2.7%	931	79.7%	147	12.6%	58	5.0%
2000	1,107	23	2.1%	881	79.6%	139	12.6%	64	5.8%
2001	1,200	26	2.2%	981	81.8%	137	11.4%	56	4.7%
2002	1,389	33	2.4%	1,120	80.6%	152	10.9%	84	6.0%
2003	1,207	41	3.4%	944	78.2%	154	12.8%	68	5.6%
2004	1,198	36	3.0%	941	78.5%	155	12.9%	66	5.5%
2005	1,218	41	3.4%	961	78.9%	144	11.8%	72	5.9%
2006	1,306	59	4.5%	1,013	77.6%	154	11.8%	80	6.1%
2007	1,172	40	3.4%	922	78.7%	137	11.7%	73	6.2%
2008	1,110	50	4.5%	840	75.7%	154	13.9%	66	5.9%
2009	915	43	4.7%	694	75.8%	130	14.2%	48	5.2%
2010	922	50	5.4%	678	73.5%	121	13.1%	73	7.9%
2011	713	45	6.3%	510	71.5%	116	16.3%	42	5.9%
2012	675	40	5.9%	496	73.5%	93	13.8%	46	6.8%
2013	614	32	5.2%	450	73.3%	93	15.1%	39	6.4%
2014	580	30	5.2%	439	75.7%	68	11.7%	43	7.4%
2015	535	32	6.0%	391	73.1%	78	14.6%	34	6.4%
2016	521	37	7.1%	366	70.2%	95	18.2%	23	4.4%
2017	432	24	5.6%	307	71.1%	81	18.8%	20	4.6%
2018	446	26	5.8%	342	76.7%	63	14.1%	15	3.4%
2019	403	28	6.9%	301	74.7%	54	13.4%	20	5.0%
Total	36,361	1,035	2.8%	28,299	77.8%	5,444	15.0%	1,583	4.4%

**Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2019, Reported through June 30, 2020**

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020

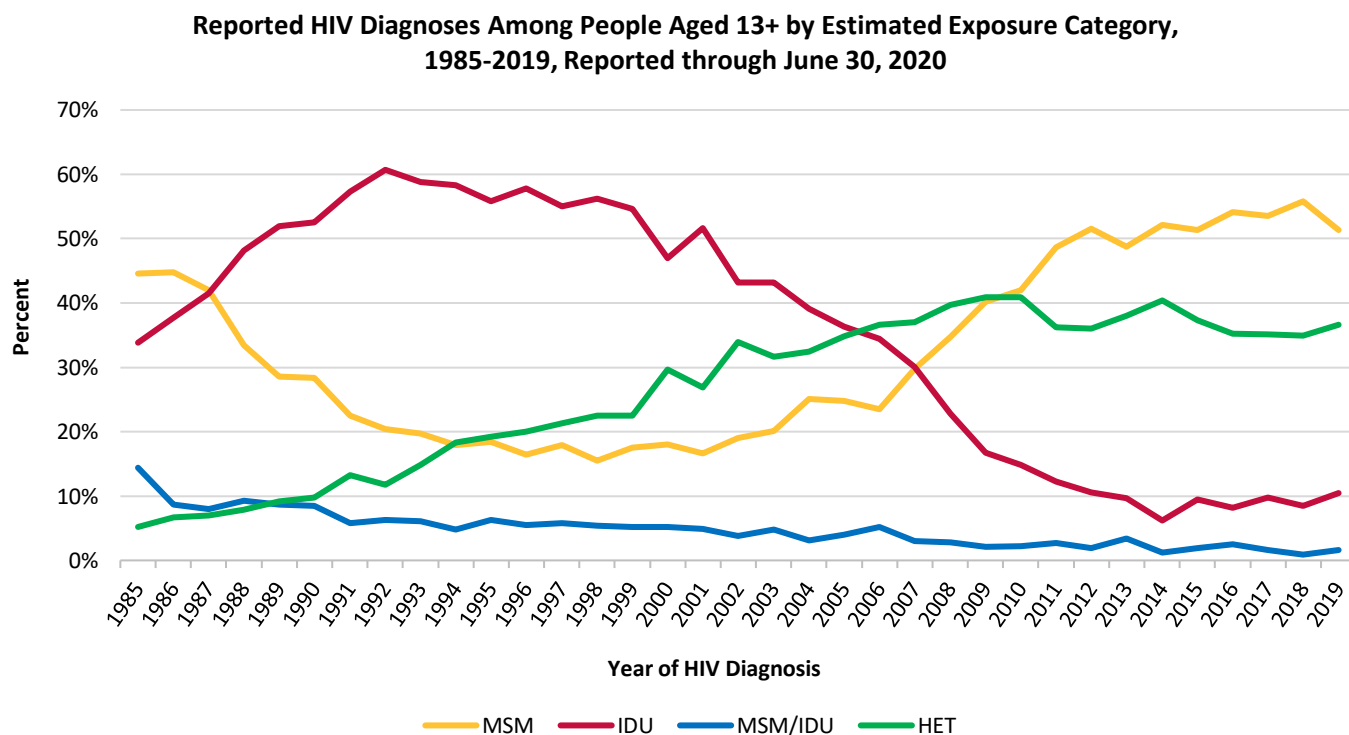
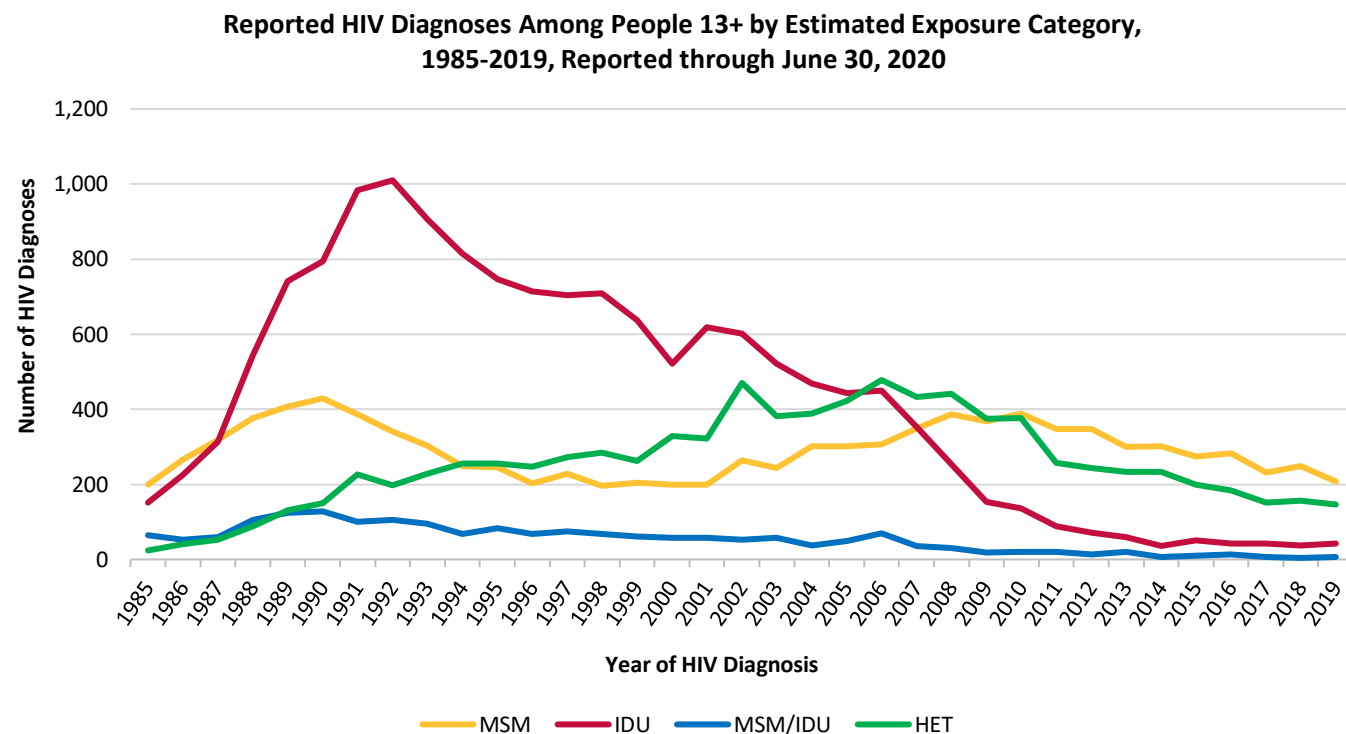




Reported HIV Diagnoses Among People Aged 13+													
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	236	17	7.2%	102	43.2%	71	30.1%	31	13.1%	14	5.9%	1	0.4%
1985	448	22	4.9%	180	40.2%	169	37.7%	56	12.5%	15	3.3%	6	1.3%
1986	594	24	4.0%	225	37.9%	227	38.2%	83	14.0%	27	4.5%	8	1.3%
1987	757	21	2.8%	253	33.4%	331	43.7%	109	14.4%	32	4.2%	11	1.5%
1988	1,129	18	1.6%	346	30.6%	523	46.3%	181	16.0%	42	3.7%	19	1.7%
1989	1,427	33	2.3%	408	28.6%	652	45.7%	257	18.0%	60	4.2%	17	1.2%
1990	1,512	29	1.9%	423	28.0%	672	44.4%	278	18.4%	76	5.0%	34	2.2%
1991	1,714	26	1.5%	437	25.5%	776	45.3%	368	21.5%	77	4.5%	30	1.8%
1992	1,664	25	1.5%	378	22.7%	786	47.2%	376	22.6%	70	4.2%	29	1.7%
1993	1,540	19	1.2%	297	19.3%	747	48.5%	365	23.7%	86	5.6%	26	1.7%
1994	1,396	18	1.3%	281	20.1%	641	45.9%	346	24.8%	87	6.2%	23	1.6%
1995	1,337	15	1.1%	231	17.3%	596	44.6%	359	26.9%	95	7.1%	41	3.1%
1996	1,236	10	0.8%	165	13.3%	540	43.7%	381	30.8%	107	8.7%	33	2.7%
1997	1,280	20	1.6%	192	15.0%	565	44.1%	368	28.8%	87	6.8%	48	3.8%
1998	1,260	21	1.7%	169	13.4%	507	40.2%	413	32.8%	114	9.0%	36	2.9%
1999	1,168	18	1.5%	150	12.8%	446	38.2%	382	32.7%	134	11.5%	38	3.3%
2000	1,107	30	2.7%	139	12.6%	399	36.0%	378	34.1%	116	10.5%	45	4.1%
2001	1,200	16	1.3%	150	12.5%	418	34.8%	435	36.3%	139	11.6%	42	3.5%
2002	1,389	60	4.3%	205	14.8%	437	31.5%	468	33.7%	164	11.8%	55	4.0%
2003	1,207	39	3.2%	170	14.1%	355	29.4%	409	33.9%	179	14.8%	55	4.6%
2004	1,198	28	2.3%	195	16.3%	330	27.5%	425	35.5%	169	14.1%	51	4.3%
2005	1,218	34	2.8%	196	16.1%	275	22.6%	466	38.3%	206	16.9%	41	3.4%
2006	1,306	36	2.8%	228	17.5%	306	23.4%	447	34.2%	217	16.6%	72	5.5%
2007	1,172	51	4.4%	236	20.1%	245	20.9%	386	32.9%	204	17.4%	50	4.3%
2008	1,110	49	4.4%	248	22.3%	218	19.6%	309	27.8%	205	18.5%	81	7.3%
2009	915	36	3.9%	225	24.6%	205	22.4%	247	27.0%	155	16.9%	47	5.1%
2010	922	43	4.7%	225	24.4%	165	17.9%	267	29.0%	182	19.7%	40	4.3%
2011	713	34	4.8%	230	32.3%	135	18.9%	152	21.3%	127	17.8%	35	4.9%
2012	675	41	6.1%	222	32.9%	120	17.8%	152	22.5%	91	13.5%	49	7.3%
2013	614	25	4.1%	195	31.8%	128	20.8%	125	20.4%	93	15.1%	48	7.8%
2014	580	19	3.3%	186	32.1%	140	24.1%	114	19.7%	86	14.8%	35	6.0%
2015	535	21	3.9%	196	36.6%	131	24.5%	84	15.7%	74	13.8%	29	5.4%
2016	521	27	5.2%	194	37.2%	111	21.3%	75	14.4%	73	14.0%	41	7.9%
2017	432	29	6.7%	141	32.6%	107	24.8%	63	14.6%	59	13.7%	33	7.6%
2018	446	26	5.8%	153	34.3%	117	26.2%	59	13.2%	63	14.1%	28	6.3%
2019	403	8	2.0%	146	36.2%	101	25.1%	62	15.4%	53	13.2%	33	8.2%
Total	36,361	988	2.7%	8,117	22.3%	12,692	34.9%	9,476	26.1%	3,778	10.4%	1,310	3.6%

## Figure 7 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2019, Reported through June 30, 2020

Number and Percent by Estimated Exposure Category<sup>§</sup> of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, as Reported through June 30, 2020



Other exposure category not shown

<sup>§</sup> Multiple imputation was used to estimate and adjust for missing exposure category.

Reported HIV Diagnoses Among People Aged 13+												
Year of HIV Diagnosis	No.	% with No Reported Exposure <sup>*</sup>	Estimated Exposure Category <sup>§</sup>									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	236	2.1%	131	55.4%	62	26.4%	26	10.9%	8	3.6%	9	3.8%
1985	448	4.5%	200	44.6%	152	33.8%	64	14.4%	24	5.2%	9	2.0%
1986	594	3.0%	266	44.8%	224	37.7%	52	8.7%	40	6.7%	12	2.0%
1987	757	2.8%	318	42.0%	314	41.5%	60	8.0%	53	7.0%	12	1.6%
1988	1,129	2.9%	377	33.4%	545	48.2%	105	9.3%	89	7.9%	13	1.2%
1989	1,427	2.5%	408	28.6%	741	51.9%	125	8.7%	131	9.2%	22	1.5%
1990	1,512	4.0%	429	28.4%	794	52.5%	128	8.5%	149	9.8%	13	0.9%
1991	1,714	3.8%	386	22.5%	983	57.3%	100	5.8%	227	13.2%	19	1.1%
1992	1,664	4.6%	340	20.4%	1,010	60.7%	106	6.3%	197	11.8%	12	0.7%
1993	1,540	2.7%	303	19.7%	906	58.8%	95	6.1%	228	14.8%	9	0.6%
1994	1,396	3.7%	249	17.9%	814	58.3%	68	4.8%	256	18.3%	9	0.6%
1995	1,337	4.2%	246	18.4%	747	55.8%	84	6.3%	256	19.2%	4	0.3%
1996	1,236	4.0%	202	16.4%	714	57.8%	68	5.5%	247	20.0%	5	0.4%
1997	1,280	6.1%	229	17.9%	704	55.0%	74	5.8%	273	21.3%	1	0.1%
1998	1,260	5.2%	196	15.5%	709	56.2%	68	5.4%	284	22.5%	4	0.3%
1999	1,168	7.0%	204	17.5%	638	54.6%	61	5.2%	263	22.5%	2	0.2%
2000	1,107	7.0%	199	18.0%	521	47.0%	57	5.2%	329	29.7%	1	0.1%
2001	1,200	7.8%	199	16.6%	619	51.6%	58	4.9%	322	26.9%	1	0.1%
2002	1,389	10.4%	264	19.0%	601	43.2%	53	3.8%	470	33.9%	1	0.1%
2003	1,207	9.4%	243	20.1%	521	43.2%	58	4.8%	382	31.6%	3	0.2%
2004	1,198	10.2%	301	25.1%	468	39.1%	38	3.1%	388	32.4%	4	0.3%
2005	1,218	14.5%	302	24.8%	443	36.3%	49	4.0%	423	34.8%	1	0.1%
2006	1,306	18.6%	307	23.5%	450	34.4%	69	5.2%	478	36.6%	3	0.2%
2007	1,172	19.5%	349	29.8%	353	30.1%	35	3.0%	433	37.0%	2	0.2%
2008	1,110	26.2%	386	34.7%	253	22.8%	31	2.8%	441	39.7%	0	0.0%
2009	915	27.2%	368	40.2%	153	16.7%	19	2.1%	375	40.9%	0	0.0%
2010	922	30.7%	388	42.0%	136	14.8%	21	2.2%	377	40.9%	1	0.1%
2011	713	25.7%	347	48.7%	88	12.3%	20	2.7%	258	36.2%	0	0.0%
2012	675	17.5%	347	51.5%	72	10.6%	13	1.9%	243	36.0%	0	0.0%
2013	614	10.9%	299	48.8%	60	9.7%	21	3.4%	233	38.0%	1	0.2%
2014	580	8.8%	302	52.1%	36	6.2%	7	1.2%	234	40.4%	1	0.2%
2015	535	5.8%	275	51.3%	51	9.5%	10	1.9%	199	37.3%	0	0.0%
2016	521	11.7%	282	54.1%	43	8.2%	13	2.5%	183	35.2%	0	0.0%
2017	432	10.6%	231	53.5%	42	9.8%	7	1.6%	152	35.1%	0	0.0%
2018	446	15.2%	249	55.8%	38	8.5%	4	0.9%	156	34.9%	0	0.0%
2019	403	34.2%	207	51.3%	42	10.5%	7	1.6%	147	36.6%	0	0.0%
Total	36,361	9.7%	10,329	28.4%	15,047	41.4%	1,874	5.2%	8,948	24.6%	174	0.5%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

\*Percent with no reported exposure prior to multiple imputation adjustment.

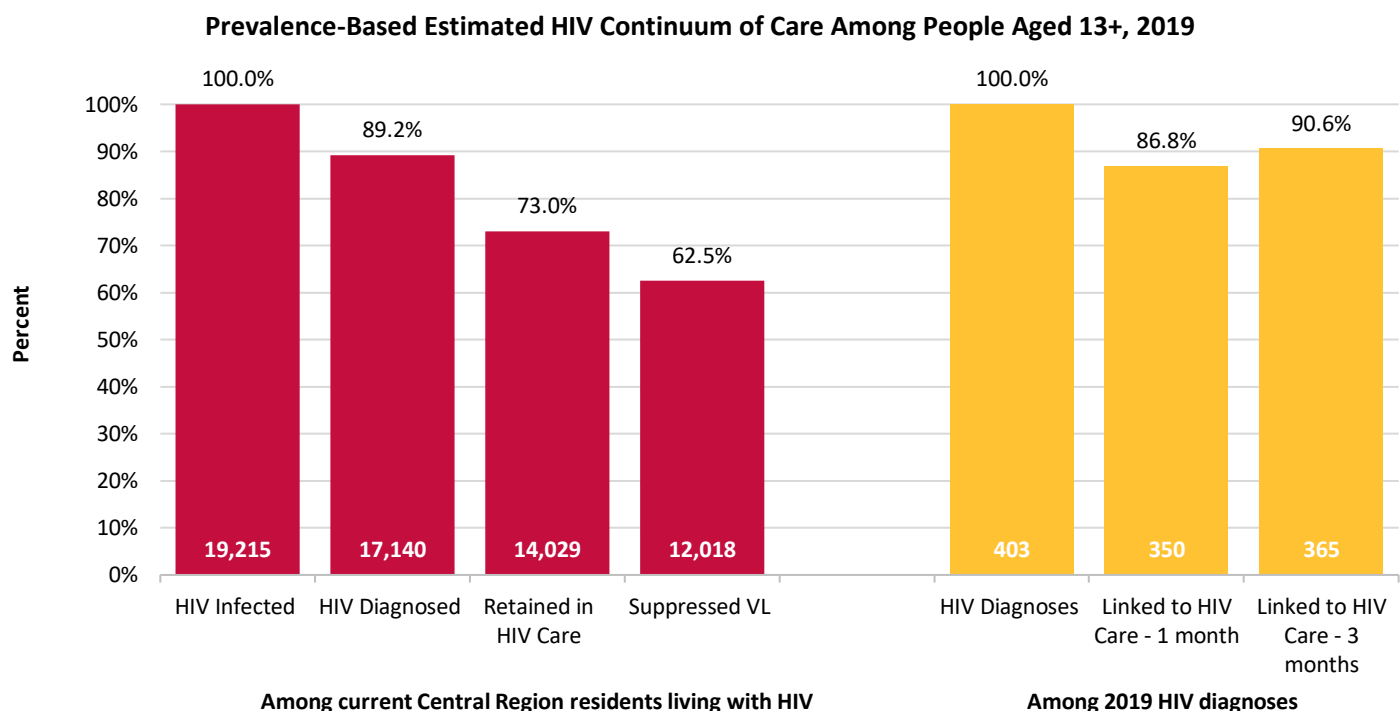
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

## Section III – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.<sup>1</sup> utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

**Figure 8 – Prevalence-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Central Region Residents Aged 13+, Reported through June 30, 2020**

The prevalence-based Central Region Engagement in HIV Care Cascades (below) apply the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 30, 2020, to estimate the number of people living with undiagnosed HIV (10.8 percent) and the estimated number of people living with HIV currently residing in the Central Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Central Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.

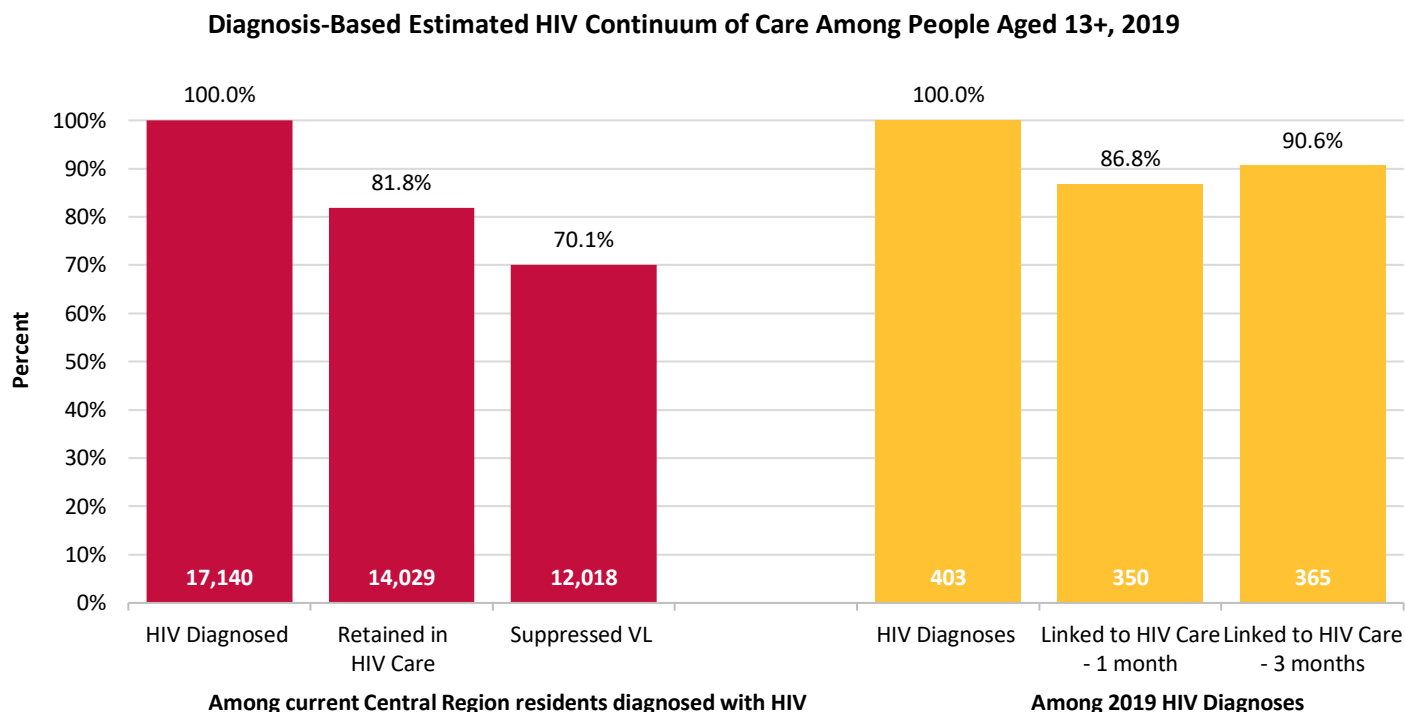


Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	19,215	100.0%	New HIV Diagnoses	403	100.0%
HIV Diagnosed	17,140	89.2%	Linked to HIV Care – 1 Month	350	86.8%
Retained in HIV Care	14,029	73.0%	Linked to HIV Care – 3 Months	365	90.6%
Suppressed VL	12,018	62.5%			

<sup>1</sup> Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

## Figure 9 – Diagnosis-Based Estimated 2019 HIV Continuum of Care Cascades, Among Current Central Region Residents Aged 13+, Reported through June 30, 2020

The diagnosis-based Central Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Central Region residents to describe the number and percentage of persons living with diagnosed HIV in the Central Region on December 31, 2019 and the number and percentage of new HIV diagnoses in 2019 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2019 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	17,140	100.0%	New HIV Diagnoses	403	100.0%
Retained in HIV Care	14,029	81.8%	Linked to HIV Care – 1 Month	350	86.8%
Suppressed VL	12,018	70.1%	Linked to HIV Care – 3 Months	365	90.6%

## Section IV – By Jurisdiction

**Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, Among People Aged 13+ During 2019, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at Diagnosis	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+			Reported AIDS Diagnoses Among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Anne Arundel	485,680	48	11.9%	9.9	15	6.4%	3.1
Baltimore City	504,269	200	49.6%	39.7	151	64.3%	29.9
Baltimore	698,716	117	29.0%	16.7	49	20.9%	7.0
Carroll	143,123	5	1.2%	3.5	6	2.6%	4.2
Harford	215,720	10	2.5%	4.6	6	2.6%	2.8
Howard	270,649	23	5.7%	8.5	8	3.4%	3.0
<b>Total</b>	2,318,157	403	100.0%	17.4	235	100.0%	10.1

**Table 2 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2020**

Jurisdiction of Residence at HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+					
	No.	Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Anne Arundel	48	81.3%	85.4%	18.8%	87.5%	371
Baltimore City	200	86.0%	88.5%	24.0%	85.5%	369
Baltimore	117	90.6%	94.9%	18.8%	93.2%	423
Carroll	5	***	100.0%	***	100.0%	282
Harford	10	***	90.0%	***	90.0%	330
Howard	23	91.3%	95.7%	21.7%	95.7%	304
<b>Total</b>	403	86.8%	90.6%	21.3%	88.8%	379

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2020**

Jurisdiction of Residence	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	% Change
Anne Arundel	485,680	1,294	7.3%	266.4	375	1,398	8.2%	287.8	8.0%
Baltimore City	504,269	11,964	67.5%	2,372.5	42	10,600	61.8%	2,102.1	-11.4%
Baltimore	698,716	3,210	18.1%	459.4	218	3,769	22.0%	539.4	17.4%
Carroll	143,123	153	0.9%	106.9	935	162	0.9%	113.2	5.9%
Harford	215,720	463	2.6%	214.6	466	516	3.0%	239.2	11.4%
Howard	270,649	629	3.6%	232.4	430	695	4.1%	256.8	10.5%
<b>Total</b>	2,318,157	17,713	100.0%	764.1	131	17,140	100.0%	739.4	-3.2%

**Table 4 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Anne Arundel	1,398	1,060	75.8%	627	6.0%	12.5%	16.8%	64.6%
Baltimore City	10,600	8,027	75.7%	592	10.0%	12.7%	16.4%	61.0%
Baltimore	3,769	2,869	76.1%	647	7.4%	10.7%	14.6%	67.2%
Carroll	162	117	72.2%	688	6.8%	11.1%	12.8%	69.2%
Harford	516	381	73.8%	582	7.9%	13.6%	15.7%	62.7%
Howard	695	530	76.3%	643	7.7%	9.1%	15.7%	67.5%
Total	17,140	12,984	75.8%	612	8.9%	12.1%	15.9%	63.0%

**Table 5 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Anne Arundel	1,398	1,092	78.1%	89.5%	14,900
Baltimore City	10,600	8,525	80.4%	86.3%	13,357
Baltimore	3,769	3,030	80.4%	90.2%	6,934
Carroll	162	122	75.3%	91.0%	7,160
Harford	516	390	75.6%	90.0%	7,870
Howard	695	545	78.4%	89.9%	7,907
<b>Total</b>	17,140	13,704	80.0%	87.7%	11,800

## Section V – By Age

**Table 6 – Reported HIV Diagnoses During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2020**

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months		% with Test	Median Count
<5 (Pediatric)	163,679	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	267,836	0	0.0%	0.0	--	--	--	--	--
13-19	237,541	8	2.0%	3.4	75.0%	75.0%	***	75.0%	439
20-29	365,835	146	36.2%	39.9	82.9%	89.7%	8.9%	89.0%	433
30-39	390,907	101	25.1%	25.8	88.1%	90.1%	20.8%	90.1%	379
40-49	333,957	62	15.4%	18.6	93.5%	96.8%	29.0%	88.7%	320
50-59	376,383	53	13.2%	14.1	86.8%	86.8%	35.8%	83.0%	290
60+	613,534	33	8.2%	5.4	90.9%	93.9%	***	97.0%	216
<b>Total</b>	<b>2,749,672</b>	<b>403</b>	<b>100.0%</b>	<b>14.7</b>	<b>86.8%</b>	<b>90.6%</b>	<b>21.3%</b>	<b>88.8%</b>	<b>379</b>

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	163,679	3	0.0%	1.8	54,560
5-12 (Pediatric)	267,836	18	0.1%	6.7	14,880
13-19	237,541	74	0.4%	31.2	3,210
20-29	365,835	1,317	7.7%	360.0	278
30-39	390,907	3,034	17.7%	776.1	129
40-49	333,957	3,152	18.4%	943.8	106
50-59	376,383	5,409	31.5%	1,437.1	70
60+	613,534	4,154	24.2%	677.1	148
<b>Total</b>	<b>2,749,672</b>	<b>17,161</b>	<b>100.0%</b>	<b>624.1</b>	<b>160</b>

**Table 8 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	74	67	90.5%	688	3.0%	6.0%	13.4%	77.6%
20-29	1,317	1,053	80.0%	617	8.6%	9.7%	16.0%	65.6%
30-39	3,034	2,235	73.7%	627	9.3%	10.8%	15.6%	64.3%
40-49	3,152	2,332	74.0%	625	9.5%	12.5%	14.6%	63.3%
50-59	5,409	4,144	76.6%	612	9.3%	12.2%	15.6%	63.0%
60+	4,154	3,153	75.9%	585	7.9%	13.7%	17.6%	60.8%
Total	17,140	12,984	75.8%	612	8.9%	12.1%	15.9%	63.0%



**Table 9 – Viral Load Test Results During 2019 for People Living with Diagnosed HIV, Alive on December 31, 2019, by Age on December 31, 2019, Reported through June 30, 2020**

Age on December 31, 2019	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	74	69	93.2%	87.0%	4,330
20-29	1,317	1,077	81.8%	75.0%	15,090
30-39	3,034	2,350	77.5%	80.9%	12,270
40-49	3,152	2,446	77.6%	87.8%	14,900
50-59	5,409	4,406	81.5%	89.7%	11,188
60+	4,154	3,356	80.8%	93.9%	4,930
<b>Total</b>	<b>17,140</b>	<b>13,704</b>	<b>80.0%</b>	<b>87.7%</b>	<b>11,800</b>

## Section VI – By Demographics

**Table 10 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	1,104,162	288	71.5%	26.1	91.0%	94.1%	22.2%	89.9%	342
Female	1,213,995	115	28.5%	9.5	76.5%	81.7%	19.1%	86.1%	460
Gender									
Male	1,104,162	277	68.7%	25.1	91.0%	94.2%	23.1%	89.5%	336
Female	1,213,995	115	28.5%	9.5	76.5%	81.7%	19.1%	86.1%	460
Transfeminine	--	11	2.7%	0.0	90.9%	90.9%	0.0%	100.0%	717
Transmasculine	--	0	0.0%	0.0	--	--	--	--	--
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	125,493	28	6.9%	22.3	96.4%	100.0%	32.1%	100.0%	358
Non-Hispanic	2,192,664	375	93.1%	17.1	86.1%	89.9%	20.5%	88.0%	383
American Indian/Alaska Native, only	5,852	0	0.0%	0.0	--	--	--	--	--
Asian, only	138,693	7	1.7%	5.0	100.0%	100.0%	***	85.7%	392
Black, only	681,880	301	74.7%	44.1	85.0%	89.4%	19.6%	88.0%	384
Native Hawaiian/Other Pacific Islander, only	1,114	0	0.0%	0.0	--	--	--	--	--
White, only	1,321,186	54	13.4%	4.1	88.9%	90.7%	27.8%	87.0%	327
Multiracial/Other	43,938	13	3.2%	29.6	92.3%	92.3%	***	92.3%	455
Total	2,318,157	403	100.0%	17.4	86.8%	90.6%	21.3%	88.8%	379
Country of Birth									
United States	2,033,666	329	81.6%	16.2	86.0%	90.3%	20.1%	88.4%	382
Foreign-Born	274,184	34	8.4%	12.4	91.2%	94.1%	26.5%	94.1%	371
Africa	--	18	4.5%	--	88.9%	94.4%	***	94.4%	564
Asia	--	3	0.7%	--	***	***	***	***	***
Caribbean	--	2	0.5%	--	***	***	***	***	***
Central America	--	7	1.7%	--	100.0%	100.0%	***	100.0%	60
Other	--	4	1.0%	--	***	***	***	***	***
Unknown	--	40	9.9%	--	90.0%	90.0%	27.5%	87.5%	350
Total	2,307,850	403	100.0%	17.5	86.8%	90.6%	21.3%	88.8%	379

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 11 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Reported HIV Diagnoses Among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	64,879	26	9.0%	40.1	60,614	2	1.7%	3.3
<b>Non-Hispanic</b>	1,039,283	262	91.0%	25.2	1,153,381	113	98.3%	25.2
American Indian/Alaska Native, only	2,827	0	0.0%	0.0	3,025	0	0.0%	0.0
Asian, only	65,876	6	2.1%	9.1	72,816	1	0.9%	1.4
Black, only	306,886	209	72.6%	68.1	374,994	92	80.0%	24.5
Native Hawaiian/Other Pacific Islander, only	505	0	0.0%	0.0	609	0	0.0%	0.0
White, only	642,564	39	13.5%	6.1	678,622	15	13.0%	2.2
Multiracial/Other	20,624	8	2.8%	38.8	23,315	5	4.3%	21.4
<b>Total</b>	<b>1,104,162</b>	<b>288</b>	<b>100.0%</b>	<b>26.1</b>	<b>1,213,995</b>	<b>115</b>	<b>100.0%</b>	<b>26.1</b>

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

**Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	1,104,162	11,181	65.2%	1,012.6	99
Female	1,213,995	5,959	34.8%	490.9	204
Gender					
Male	1,104,162	10,962	64.0%	992.8	101
Female	1,213,995	5,945	34.7%	489.7	204
Transfeminine	--	219	1.3%	--	--
Transmasculine	--	14	0.1%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	125,493	804	4.7%	640.7	156
Non-Hispanic	2,192,664	16,336	95.3%	745.0	134
American Indian/Alaska Native, only	5,852	8	0.0%	136.7	732
Asian, only	138,693	105	0.6%	75.7	1,321
Black, only	681,880	13,061	76.2%	1,915.4	52
Native Hawaiian/Other Pacific Islander, only	1,114	0	0.0%	0.0	--
White, only	1,321,186	2,191	12.8%	165.8	603
Multiracial/Other	43,938	971	5.7%	2,209.9	45
Total	2,318,157	17,140	100.0%	739.4	135
Country of Birth					
United States	2,033,666	15,683	91.5%	771.2	130
Foreign-Born	274,184	982	5.7%	358.2	279
Africa	--	537	3.1%	--	--
Asia	--	106	0.6%	--	--
Caribbean	--	82	0.5%	--	--
Central America	--	166	1.0%	--	--
Other	--	91	0.5%	--	--
Unknown	--	475	2.8%	--	--
Total	2,307,850	17,140	100.0%	742.7	135

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2018 American Community Survey.

**Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Total People Aged 13+ Living with Diagnosed HIV								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
<b>Hispanic</b>	64,879	606	5.4%	934.0	60,614	198	3.3%	326.7
<b>Non-Hispanic</b>	1,039,283	10,575	94.6%	1,017.5	1,153,381	5,761	96.7%	499.5
American Indian/Alaska Native, only	2,827	4	0.0%	141.5	3,025	4	0.1%	132.2
Asian, only	65,876	81	0.7%	123.0	72,816	24	0.4%	33.0
Black, only	306,886	8,118	72.6%	2,645.3	374,994	4,943	83.0%	1,318.2
Native Hawaiian/Other Pacific Islander, only	505	0	0.0%	0.0	609	0	0.0%	0.0
White, only	642,564	1,722	15.4%	268.0	678,622	469	7.9%	69.1
Multiracial/Other	20,624	650	5.8%	3,151.7	23,315	321	5.4%	1,376.8
<b>Total</b>	<b>1,104,162</b>	<b>11,181</b>	<b>100.0%</b>	<b>1,012.6</b>	<b>1,213,995</b>	<b>5,959</b>	<b>100.0%</b>	<b>490.9</b>

Note. Population data by sex at birth, age, and race/ethnicity are from the 2019 U.S. Census population estimates.

**Table 14 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	11,181	8,372	74.9%	586	8.9%	12.7%	17.4%	61.0%
Female	5,959	4,612	77.4%	665	9.0%	11.0%	13.3%	66.7%
Gender								
Male	10,962	8,197	74.8%	585	8.9%	12.8%	17.4%	60.9%
Female	5,945	4,601	77.4%	664	9.0%	11.0%	13.4%	66.6%
Transfeminine	219	175	79.9%	634	9.7%	9.7%	13.1%	67.4%
Transmasculine	14	11	78.6%	763	0.0%	9.1%	0.0%	90.9%
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	804	596	74.1%	590	9.4%	13.4%	16.4%	60.7%
Non-Hispanic	16,336	12,388	75.8%	613	8.9%	12.1%	15.9%	63.1%
American Indian/Alaska Native, only	8	***	***	***	***	***	***	***
Asian, only	105	***	***	***	***	***	***	***
Black, only	13,061	9,941	76.1%	610	9.0%	12.2%	15.9%	62.8%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	2,191	1,600	73.0%	645	8.2%	10.8%	15.4%	65.6%
Multiracial/Other	971	769	79.2%	604	8.7%	13.0%	16.1%	62.2%
Country of Birth								
United States	15,683	11,930	76.1%	613	9.1%	12.1%	15.8%	62.9%
Foreign-Born	982	699	71.2%	595	6.4%	13.3%	17.9%	62.4%
Africa	537	382	71.1%	595	6.0%	12.3%	19.1%	62.6%
Asia	106	76	71.7%	569	1.3%	13.2%	23.7%	61.8%
Caribbean	82	61	74.4%	674	11.5%	9.8%	9.8%	68.9%
Central America	166	118	71.1%	548	10.2%	16.9%	15.3%	57.6%
Other	91	62	68.1%	611	3.2%	16.1%	16.1%	64.5%
Unknown	475	355	74.7%	650	6.8%	9.6%	16.1%	67.6%
Total	17,140	12,984	75.8%	612	8.9%	12.1%	15.9%	63.0%

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 15 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2020**

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	11,181	8,801	78.7%	87.7%	12,420
Female	5,959	4,903	82.3%	87.8%	10,600
Gender					
Male	10,962	8,622	78.7%	87.9%	12,240
Female	5,945	4,891	82.3%	87.8%	10,600
Transfeminine	219	179	81.7%	77.1%	13,300
Transmasculine	14	12	85.7%	83.3%	770,450
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	804	622	77.4%	89.1%	15,800
Non-Hispanic	16,336	13,082	80.1%	87.7%	11,288
American Indian/Alaska Native, only	8	***	***	***	***
Asian, only	105	***	***	***	***
Black, only	13,061	10,475	80.2%	86.6%	11,288
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	2,191	1,713	78.2%	92.5%	12,000
Multiracial/Other	971	816	84.0%	90.0%	7,940
Country of Birth					
United States	15,683	12,606	80.4%	87.5%	11,800
Foreign-Born	982	726	73.9%	92.6%	15,435
Africa	537	401	74.7%	92.3%	6,930
Asia	106	74	69.8%	95.9%	20,700
Caribbean	82	63	76.8%	93.7%	49,635
Central America	166	124	74.7%	91.1%	46,900
Other	91	64	70.3%	92.2%	1,210
Unknown	475	372	78.3%	87.4%	10,100
Total	17,140	13,704	80.0%	87.7%	11,800

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Males Living with Diagnosed HIV						
Age on December 31, 2019		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	24,530	69,525	99,961	25,935	219,951
	Number	1	8	1	0	10
	Rate	4.1	11.5	1.0	0.0	4.5
	Ratio (1 in X)	24,530	8,691	99,961	--	21,995
13-19	Population	10,075	39,237	58,456	13,138	120,906
	Number	2	31	3	1	37
	Rate	19.9	79.0	5.1	7.6	30.6
	Ratio (1 in X)	5,037	1,266	19,485	13,138	3,268
20-29	Population	12,968	58,508	95,382	17,025	183,883
	Number	57	834	69	48	1,008
	Rate	439.5	1,425.4	72.3	281.9	548.2
	Ratio (1 in X)	228	70	1,382	355	182
30-39	Population	15,802	52,603	103,218	17,811	189,434
	Number	164	1,658	239	150	2,211
	Rate	1,037.8	3,151.9	231.5	842.2	1,167.2
	Ratio (1 in X)	96	32	432	119	86
40-49	Population	12,645	45,685	86,352	15,678	160,360
	Number	143	1,191	311	133	1,778
	Rate	1,130.9	2,607.0	360.2	848.3	1,108.8
	Ratio (1 in X)	88	38	278	118	90
50-59	Population	7,651	49,322	110,896	11,673	179,542
	Number	158	2,379	617	232	3,386
	Rate	2,065.1	4,823.4	556.4	1,987.5	1,885.9
	Ratio (1 in X)	48	21	180	50	53
60+	Population	5,738	61,531	188,260	14,508	270,037
	Number	82	2,025	483	171	2,761
	Rate	1,429.1	3,291.0	256.6	1,178.7	1,022.5
	Ratio (1 in X)	70	30	390	85	98
Total Males by Race/Ethnicity	Population	89,409	376,411	742,525	115,768	1,324,113
	Number	607	8,126	1,723	735	11,191
	Rate	678.9	2,158.8	232.0	634.9	845.2
	Ratio (1 in X)	147	46	431	158	118



**Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2019 and Race/Ethnicity, Alive on December 31, 2019, and Reported through June 30, 2020**

Total Females Living with Diagnosed HIV					
Age on December 31, 2019		Race/Ethnicity			
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race
<13 (Pediatric)	Population	23,106	68,003	95,321	25,134
	Number	0	10	0	1
	Rate	0.0	14.7	0.0	4.0
	Ratio (1 in X)	--	6,800	--	25,134
13-19	Population	9,613	38,615	55,280	13,127
	Number	1	35	0	1
	Rate	10.4	90.6	0.0	7.6
	Ratio (1 in X)	9,613	1,103	--	13,127
20-29	Population	12,273	61,629	90,565	17,485
	Number	15	258	23	13
	Rate	122.2	418.6	25.4	74.3
	Ratio (1 in X)	818	239	3,938	1,345
30-39	Population	13,817	64,540	102,738	20,378
	Number	37	641	88	57
	Rate	267.8	993.2	85.7	279.7
	Ratio (1 in X)	373	101	1,167	358
40-49	Population	11,215	56,341	88,367	17,674
	Number	65	1,101	117	91
	Rate	579.6	1,954.2	132.4	514.9
	Ratio (1 in X)	173	51	755	194
50-59	Population	6,974	60,380	116,119	13,368
	Number	52	1,715	157	99
	Rate	745.6	2,840.3	135.2	740.6
	Ratio (1 in X)	134	35	740	135
60+	Population	6,722	93,489	225,553	17,733
	Number	28	1,193	84	88
	Rate	416.5	1,276.1	37.2	496.2
	Ratio (1 in X)	240	78	2,685	202
Total Females by Race/Ethnicity	Population	83,720	442,997	773,943	124,899
	Number	198	4,953	469	350
	Rate	236.5	1,118.1	60.6	280.2
	Ratio (1 in X)	423	89	1,650	357

## Section VII – By HIV Exposure Category

**Table 18 – Reported HIV Diagnoses, Among People Aged 13+ During 2019, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Reported HIV Diagnoses Among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	207	51.3%	90.8%	95.0%	18.5%	91.1%	374
Injection Drug Use (IDU)	42	10.5%	79.7%	79.9%	***	81.1%	295
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	7	1.6%	81.8%	83.3%	***	80.3%	325
Heterosexual Contact (HET)	147	36.6%	83.6%	87.8%	22.7%	88.3%	419
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>403</b>	<b>100.0%</b>	<b>86.8%</b>	<b>90.6%</b>	<b>21.3%</b>	<b>88.8%</b>	<b>379</b>
<b>Male Estimated or Reported Exposure Category</b>							
Male-to-male Sexual Contact (MSM)	207	71.8%	90.8%	95.0%	18.5%	91.1%	374
Injection Drug Use (IDU)	20	7.0%	85.6%	86.1%	***	84.1%	280
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	7	2.3%	81.8%	83.3%	***	80.3%	325
Heterosexual Contact (HET)	55	18.9%	94.7%	95.0%	30.3%	88.8%	300
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>288</b>	<b>100.0%</b>	<b>91.0%</b>	<b>94.1%</b>	<b>22.2%</b>	<b>89.9%</b>	<b>342</b>
<b>Female Estimated or Reported Exposure Category</b>							
Injection Drug Use (IDU)	22	19.3%	74.3%	74.3%	23.0%	78.4%	306
Heterosexual Contact (HET)	93	80.7%	77.0%	83.5%	18.2%	87.9%	471
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
<b>Total</b>	<b>115</b>	<b>100.0%</b>	<b>76.5%</b>	<b>81.7%</b>	<b>19.1%</b>	<b>86.1%</b>	<b>460</b>

*Note.* Data for 2019 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

\*\*\* Data withheld due to low population counts and/or small numbers

**Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	6,076	35.5%
Injection Drug Use (IDU)	4,126	24.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	760	4.4%
Heterosexual Contact (HET)	5,868	34.2%
Perinatal Transmission	242	1.4%
Other Exposure	28	0.2%
No Estimated or Reported Exposure	40	0.2%
<b>Total</b>	<b>17,140</b>	<b>100.0%</b>
<b>Male Estimated or Reported Exposure Category</b>		
Male-to-male Sexual Contact (MSM)	6,076	54.3%
Injection Drug Use (IDU)	2,368	21.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	760	6.8%
Heterosexual Contact (HET)	1,843	16.5%
Perinatal Transmission	99	0.9%
Other Exposure	17	0.2%
No Estimated or Reported Exposure	18	0.2%
<b>Total</b>	<b>11,181</b>	<b>100.0%</b>
<b>Female Estimated or Reported Exposure Category</b>		
Injection Drug Use (IDU)	1,757	29.5%
Heterosexual Contact (HET)	4,026	67.6%
Perinatal Transmission	143	2.4%
Other Exposure	11	0.2%
No Estimated or Reported Exposure	22	0.4%
<b>Total</b>	<b>5,959</b>	<b>100.0%</b>

*Note.* Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2019, and Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	392	48.7%	3,975	30.4%	1,267	57.8%
Injection Drug Use (IDU)	83	10.3%	3,398	26.0%	412	18.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	34	4.2%	561	4.3%	105	4.8%
Heterosexual Contact (HET)	285	35.5%	4,866	37.3%	384	17.5%
Perinatal Transmission	5	0.6%	215	1.6%	10	0.5%
Other Exposure	1	0.1%	13	0.1%	12	0.5%
No Estimated or Reported Exposure	4	0.5%	33	0.3%	1	0.0%
<b>Total</b>	<b>804</b>	<b>100.0%</b>	<b>13,061</b>	<b>100.0%</b>	<b>2,191</b>	<b>100.0%</b>

Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	392	64.7%	3,975	49.0%	1,267	73.6%
Injection Drug Use (IDU)	47	7.8%	2,019	24.9%	190	11.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	34	5.6%	561	6.9%	105	6.1%
Heterosexual Contact (HET)	128	21.1%	1,460	18.0%	142	8.3%
Perinatal Transmission	2	0.3%	85	1.0%	6	0.3%
Other Exposure	1	0.2%	5	0.1%	10	0.6%
No Estimated or Reported Exposure	2	0.3%	13	0.2%	1	0.1%
<b>Total</b>	<b>606</b>	<b>100.0%</b>	<b>8,118</b>	<b>100.0%</b>	<b>1,721</b>	<b>100.0%</b>

Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	36	18.0%	1,378	27.9%	221	47.2%
Heterosexual Contact (HET)	157	79.4%	3,407	68.9%	242	51.5%
Perinatal Transmission	3	1.5%	130	2.6%	4	0.9%
Other Exposure	0	0.0%	8	0.2%	2	0.4%
No Estimated or Reported Exposure	2	1.0%	20	0.4%	0	0.0%
<b>Total</b>	<b>198</b>	<b>100.0%</b>	<b>4,943</b>	<b>100.0%</b>	<b>469</b>	<b>100.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

**Table 21 – CD4 Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	6,076	4,626	76.1%	636	6.6%	10.4%	16.1%	66.8%
Injection Drug Use (IDU)	4,126	3,142	76.2%	548	13.3%	14.9%	16.7%	55.1%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	760	581	76.5%	551	10.2%	12.9%	19.5%	57.4%
Heterosexual Contact (HET)	5,868	4,385	74.7%	642	7.4%	12.1%	14.4%	66.1%
Perinatal Transmission	242	199	82.2%	531	20.1%	7.5%	20.1%	52.3%
Other Exposure	28	17	60.7%	472	23.5%	11.8%	17.6%	47.1%
No Estimated or Reported Exposure	40	34	85.0%	534	8.8%	5.9%	26.5%	58.8%
<b>Total</b>	<b>17,140</b>	<b>12,984</b>	<b>75.8%</b>	<b>612</b>	<b>8.9%</b>	<b>12.1%</b>	<b>15.9%</b>	<b>63.0%</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

**Table 22 – Viral Load Test Results During 2019 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2019, by Estimated or Reported Exposure Category, Reported through June 30, 2020**

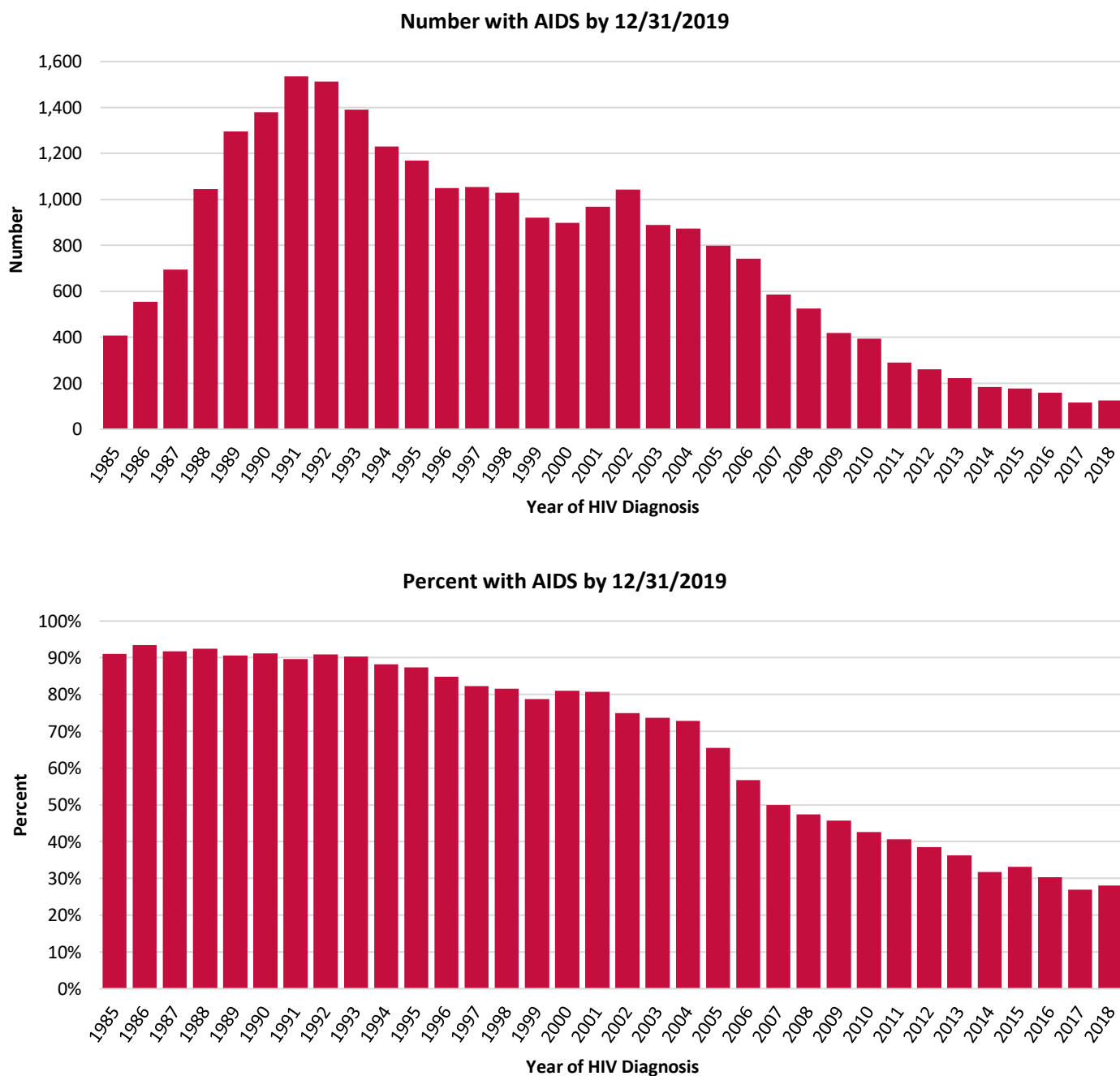
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	6,076	4,865	80.1%	87.9%	11,900
Injection Drug Use (IDU)	4,126	3,334	80.8%	87.0%	12,665
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	760	612	80.5%	86.4%	14,700
Heterosexual Contact (HET)	5,868	4,629	78.9%	89.1%	10,000
Perinatal Transmission	242	210	86.8%	71.4%	11,800
Other Exposure	28	20	71.4%	85.0%	18,900
No Estimated or Reported Exposure	40	34	85.0%	73.5%	1,620
<b>Total</b>	<b>17,140</b>	<b>13,704</b>	<b>80.0%</b>	<b>87.7%</b>	<b>11,800</b>

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

## Section VIII – Disease Progression and Mortality

**Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2018, Reported through June 30, 2020**

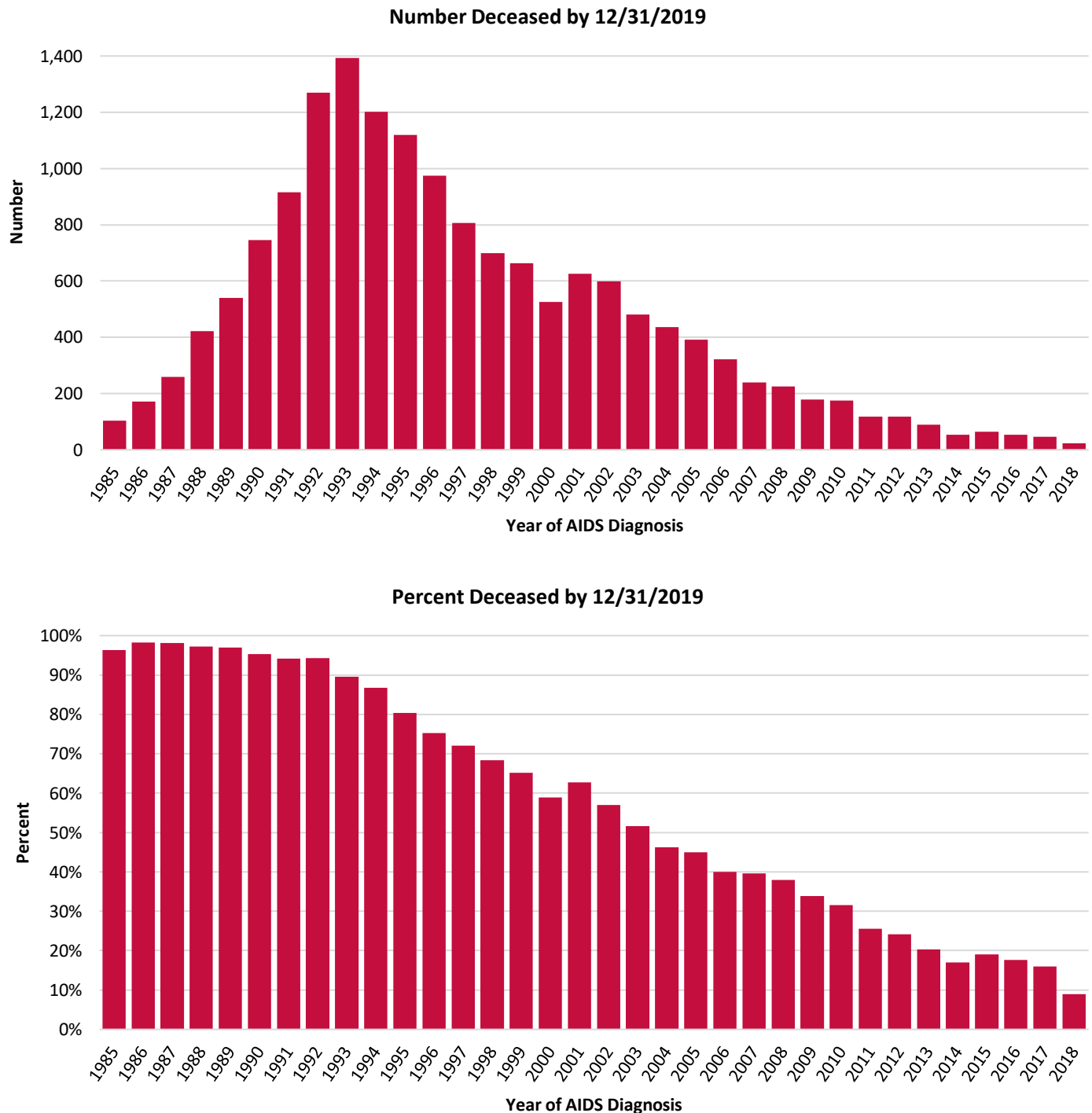
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ by December 31, 2019, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, Reported through June 30, 2020



Reported HIV Diagnoses Among People Aged 13+								
Year of HIV Diagnosis	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	236	229	97.0%	7.2	33.5%	33.5%	36.9%	68.2%
1985	448	408	91.1%	6.6	25.9%	27.5%	35.3%	74.3%
1986	594	555	93.4%	5.6	33.0%	34.0%	46.1%	80.3%
1987	757	695	91.8%	4.7	33.4%	37.0%	54.3%	82.6%
1988	1,129	1,044	92.5%	3.9	37.9%	41.7%	63.6%	85.9%
1989	1,427	1,295	90.7%	3.7	38.1%	43.8%	67.5%	83.3%
1990	1,512	1,379	91.2%	3.1	43.8%	50.7%	73.4%	85.3%
1991	1,714	1,536	89.6%	2.8	46.5%	56.0%	73.6%	84.1%
1992	1,664	1,513	90.9%	2.7	50.4%	59.0%	75.8%	84.6%
1993	1,540	1,390	90.3%	2.3	54.4%	62.8%	76.9%	86.0%
1994	1,396	1,231	88.2%	2.4	53.9%	61.9%	74.6%	83.0%
1995	1,337	1,169	87.4%	2.4	56.4%	62.2%	72.3%	82.1%
1996	1,236	1,049	84.9%	2.0	59.5%	64.2%	71.7%	80.6%
1997	1,280	1,054	82.3%	2.2	54.3%	59.3%	68.8%	77.4%
1998	1,260	1,028	81.6%	2.1	56.0%	60.0%	68.6%	77.0%
1999	1,168	920	78.8%	1.9	56.2%	60.4%	68.5%	75.1%
2000	1,107	898	81.1%	1.9	55.6%	59.9%	69.8%	77.5%
2001	1,200	969	80.8%	1.8	58.0%	62.1%	71.1%	76.6%
2002	1,389	1,042	75.0%	2.0	53.1%	56.5%	64.0%	70.8%
2003	1,207	890	73.7%	1.7	53.9%	57.8%	63.8%	70.6%
2004	1,198	872	72.8%	1.9	51.3%	55.3%	61.9%	68.9%
2005	1,218	798	65.5%	1.8	45.7%	49.0%	55.8%	63.0%
2006	1,306	742	56.8%	2.0	38.0%	40.3%	47.5%	54.1%
2007	1,172	585	49.9%	2.4	29.2%	32.3%	39.9%	47.4%
2008	1,110	526	47.4%	2.1	28.6%	32.1%	39.8%	45.7%
2009	915	418	45.7%	1.9	28.1%	31.1%	39.2%	45.4%
2010	922	393	42.6%	2.0	25.9%	28.6%	36.1%	--
2011	713	290	40.7%	1.6	26.8%	30.9%	35.8%	--
2012	675	260	38.5%	1.3	27.9%	30.2%	35.9%	--
2013	614	222	36.2%	0.9	28.8%	30.3%	34.7%	--
2014	580	184	31.7%	0.8	24.7%	27.6%	31.4%	--
2015	535	177	33.1%	0.7	26.2%	29.2%	--	--
2016	521	158	30.3%	0.5	25.7%	28.0%	--	--
2017	432	116	26.9%	0.3	24.8%	25.9%	--	--
2018	446	125	28.0%	0.2	26.7%	--	--	--
Total	35,958	26,160	72.8%	2.5	43.9%	48.5%	59.1%	68.5%

**Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2018, Reported through June 30, 2020**

Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2018 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis Among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2019 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) Among People Aged 13+ by December 31, 2019, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses Among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2018, Reported through June 30, 2020





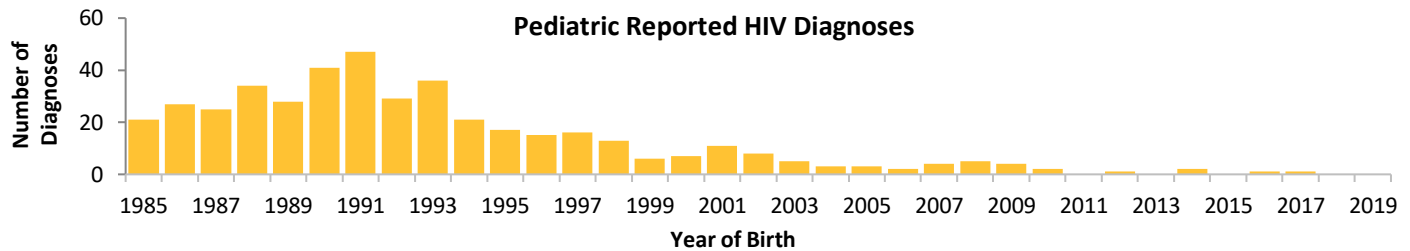
Year of AIDS Diagnosis	Reported AIDS Diagnoses Among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	76	72	94.7%	2.5	52.6%	32.9%	15.8%	13.2%
1985	107	103	96.3%	1.9	43.0%	22.4%	9.3%	7.5%
1986	175	172	98.3%	2.6	54.3%	36.0%	14.9%	8.6%
1987	265	260	98.1%	2.2	61.9%	33.2%	11.3%	5.3%
1988	434	422	97.2%	2.5	59.2%	39.4%	14.3%	6.9%
1989	557	540	96.9%	2.8	60.9%	39.1%	15.6%	8.1%
1990	782	745	95.3%	3.1	65.9%	46.4%	20.1%	11.6%
1991	973	916	94.1%	2.9	67.7%	46.2%	18.1%	12.1%
1992	1,347	1,270	94.3%	3.2	70.4%	48.8%	20.0%	13.8%
1993	1,556	1,393	89.5%	4.0	77.6%	55.3%	32.2%	20.8%
1994	1,387	1,202	86.7%	4.2	77.1%	58.0%	37.6%	23.6%
1995	1,394	1,119	80.3%	5.4	78.6%	66.3%	49.4%	35.3%
1996	1,296	974	75.2%	5.8	81.9%	74.7%	57.2%	41.0%
1997	1,119	806	72.0%	6.1	85.3%	77.2%	60.6%	44.1%
1998	1,023	699	68.3%	6.2	87.1%	80.2%	64.0%	47.1%
1999	1,017	663	65.2%	5.9	87.2%	80.0%	64.1%	48.7%
2000	892	525	58.9%	5.4	85.9%	80.3%	64.9%	52.5%
2001	998	626	62.7%	5.2	85.5%	76.7%	61.9%	49.6%
2002	1,051	599	57.0%	5.9	88.4%	82.8%	70.3%	56.8%
2003	933	481	51.6%	4.6	83.8%	78.0%	66.8%	57.3%
2004	941	436	46.3%	4.8	87.5%	82.8%	72.1%	61.8%
2005	871	392	45.0%	5.0	88.4%	83.5%	74.1%	64.6%
2006	805	322	40.0%	4.2	88.3%	83.6%	74.2%	64.3%
2007	604	239	39.6%	4.3	88.2%	84.8%	76.0%	64.7%
2008	594	225	37.9%	3.9	88.9%	83.8%	74.9%	65.0%
2009	529	179	33.8%	3.7	90.7%	86.8%	77.9%	66.5%
2010	554	175	31.6%	3.4	90.3%	87.4%	80.0%	--
2011	458	117	25.5%	3.3	93.9%	90.8%	81.7%	--
2012	490	118	24.1%	2.5	90.4%	88.4%	80.6%	--
2013	444	90	20.3%	2.5	94.1%	90.1%	82.4%	--
2014	318	54	17.0%	1.5	91.2%	87.4%	84.3%	--
2015	342	65	19.0%	1.4	90.6%	87.4%	--	--
2016	306	54	17.6%	1.2	90.8%	86.9%	--	--
2017	287	46	16.0%	1.0	91.6%	86.8%	--	--
2018*	258	23	8.9%	0.3	91.5%	--	--	--
<b>Total</b>	<b>25,183</b>	<b>16,122</b>	<b>64.0%</b>	<b>4.3</b>	<b>81.7%</b>	<b>71.1%</b>	<b>55.2%</b>	<b>44.7%</b>

\*2018 AIDS deaths are preliminary

## Section IX – Pediatrics

**Figure 12 – Trends in Reported HIV Diagnoses Among People Aged <13, 1985-2019, Reported through June 30, 2020**

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2019, as Reported by Name through June 30, 2020



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	25	2	1	0	--
1985	21	7	5	1	9
1986	27	8	6	4	13
1987	25	16	10	5	24
1988	34	23	15	4	43
1989	28	29	19	5	67
1990	41	38	17	5	101
1991	47	41	26	8	133
1992	29	50	29	9	174
1993	36	46	25	12	208
1994	21	30	19	12	226
1995	17	19	15	12	232
1996	15	21	12	14	239
1997	16	10	6	6	243
1998	13	14	10	3	253
1999	6	14	6	4	263
2000	7	9	2	0	272
2001	11	9	8	3	277
2002	8	4	4	4	278
2003	5	2	2	2	277
2004	3	5	4	3	280
2005	3	1	1	0	282
2006	2	5	4	2	286
2007	4	32	7	4	313
2008	5	8	7	3	318
2009	4	6	4	2	323
2010	2	1	7	4	320
2011	0	1	6	5	317
2012	1	2	3	3	316
2013	0	1	9	2	316
2014	2	2	3	0	319
2015	0	0	2	3	317
2016	1	1	4	2	313
2017	1	1	2	3	311
2018	0	2	5	2	311
2019	0	0	3	1	310
<b>Total</b>	<b>460</b>	<b>460</b>	<b>308</b>	<b>152</b>	<b>--</b>

**Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Jurisdiction of Current Residence, Reported through June 30, 2020**

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Anne Arundel	1	4.8%
Baltimore City	11	52.4%
Baltimore	5	23.8%
Carroll	1	4.8%
Harford	2	9.5%
Howard	1	4.8%
<b>Total</b>	<b>21</b>	<b>100.0%</b>

**Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2019, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2020**

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
<b>Sex at Birth</b>		
Male	10	47.6%
Female	11	52.4%
<b>Race/Ethnicity</b>		
<b>Hispanic</b>	1	4.8%
<b>Non-Hispanic</b>	20	95.2%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	18	85.7%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	1	4.8%
Multiracial/Other	1	4.8%
<b>Total</b>	<b>21</b>	<b>100.0%</b>

## Glossary of Terms

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of people living with diagnosed HIV on the specified date.

**Another Gender Identity:** All other gender identities or gender expressions.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

**CD4 With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

**Corrections:** Residence in a state or federal prison. Does not include local jails and detention centers.

**Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**First CD4 Test Result Median Count:** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**First CD4 Test Result Percent with Test:** Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

**Gender Expression:** People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

**Gender Identity:** Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

**Heterosexual Contact (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**Jurisdiction of Current Residence:** Jurisdiction of residence from the most recent report since January 1, 2009.

**Jurisdiction of Residence:** Jurisdiction of residence at diagnosis or current residence.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Late HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

**Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

**People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year and not reported to have died as of December 31<sup>st</sup> of the specified year.

**People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis:** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median Count:** Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

**Median Unsuppressed:** Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

**Male-to-male Sexual Contact (MSM):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU):** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Other Exposure:** Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

**Percent Change:** The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

**Percent Suppressed:** Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal Exposure:** Any baby born to a woman living with diagnosed HIV.

**Perinatal HIV Transmission Percent:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures by year of birth.

**Perinatal HIV Transmission Rate:** Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

**Population:** Population estimate for July 1, 2019.

**Population Age 13+:** Population age 13 years or older, estimate for July 1, 2019.

**Rate:** Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

**Ratio (1 in X):** Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result measured in the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result measured in the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported AIDS Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported HIV Diagnoses Among People Aged 13+:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Residence at Diagnosis:** Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

**Retained in HIV Care:** HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

**Suppressed Viral Load:** HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

**Total People Aged 13+ Living with Diagnosed HIV:** Reported HIV diagnoses, age 13 years or older as of December 31<sup>st</sup> of the specified year not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Aged <13 Living with Diagnosed HIV:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Total People Living with Diagnosed HIV:** Reported HIV diagnoses not reported to have died as of December 31<sup>st</sup> of the specified year.

**Transfeminine:** A person whose sex assigned at birth is male but who identify as feminine.

**Transmasculine:** A person whose sex assigned at birth is female but who identify as masculine.

**Viral Load With Test:** Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.